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<211> 974

<212> DNA

<213> Homo sapiens

<400> 725

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<211> 2004

<212> DNA

<213> Homo sapiens

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<212> DNA

<213> Homo sapiens

<400> 728

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<211> 1755

<212> DNA

<213> Homo sapiens

<400> 729

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<211> 437

<212> DNA

<213> Homo sapiens

<400> 730

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<211> 3663

<212> DNA

<213> Homo sapiens

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<222> (3648)

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<210> 732

<211> 2017

<212> DNA

<213> Homo sapiens

<400> 732

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<210> 733

<211> 2004
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2001)
<223> n equals a,t,g, or c

<400> 733
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<210> 734
<211> 1128
<212> DNA
<213> Homo sapiens

<220>

<221> misc feature
<222> (1105)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1117)
<223> n equals a,t,g, or c

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<210> 735
<211> 772
<212> DNA
<213> Homo sapiens

<220>
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<222> (661)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (741)

<223> n equals a,t,g, or c

<400> 735

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tccgacgaga gaggcggcga cgggtggcgtc tgcgacggga gacagcgct cgagcgaga 180
gagcgtgcg cctgccgcg cccaacagc ggaggcgccg ccgccatcg tcgtcaccag 240
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ngggtagact ttgacttga gaaaaccaag atncttgcn cttggctcct ggtggtggc 720
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<210> 736

<211> 1099

<212> DNA

<213> Homo sapiens

<400> 736

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<210> 737

<211> 3219

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (3212)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (3215)
<223> n equals a,t,g, or c

<400> 737
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<210> 738

<211> 849

<212> DNA

<213> Homo sapiens

<400> 738

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<210> 739

<211> 2069

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2046)

<223> n equals a,t,g, or c

<400> 739

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<210> 740

<211> 1567

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1532)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1548)

<223> n equals a,t,g, or c

<400> 740

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atggagggcg aggacgtgga agacgaccag ctgctgcaga agctcagggc cagtcgccgc 180

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cgcttccaga ggcgcacatgca ggcgctgata gagaagtaca accagccctt cgaggacacc 240
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ctttcag 1567
```

<210> 741

<211> 2829

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1523)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1728)

<223> n equals a,t,g, or c

<400> 741

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ttaataagaa aaaaccataa aatttactgt ttttaaaaag ctgctctaag taatcagaca 180
gtcaaaaagag caggaatcag ctctccagga ggctctttgg tctggggccg aggggatgag 240
gggtgggtcct gaagacgtct gagtcccttg ttacaggagg gtgttcattg tgtcctcctc 300
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acagctggga gaacagctga agcagctggt gcctgcaagc ggccctcacag tcatggatct 360
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tcggggagag gatgtggatc agctcgtagc ctgcatagaa agcaaaactgc cagtgcgtgtg 480
ctgtacgctc cagttgcgtg aagagttcaa gcaggaagtg gaagcaacag caggtctcct 540
atatgttgat gaccctaact ggtctggaat aggggttgtc aggtatgaac atgctaataa 600
tgataagagc agtttgaaat cagatccga aggggaaaac atccatgctg gactcctgaa 660
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atgggaaaat tcacactggg tttctggact gtagtattgg aagccttagt tatagtatat 2520
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aaaaaaaaa 2829

<210> 742

<211> 926

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<400> 742

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tcatgttcca acaagtacga gtcaagcctc aggactttgc tgccattacc atcccacggt 120
ctaggggaga agcccgggtt ggggctgggt tccggcctat gctgccctcc cagggggctc 180
cacagcggcc tctcagcacc ttctcccctg cccccaaggc cactactgat ckaaactcca 240
taggcagcct cagcaagctc cggccccagc cctcacctt ctcccctagt tgggggtggac 300
caaagagcct gcctgttccc gcccacctg gggaaatggg gaccacgcct tctgctccac 360
cmcaacgcaa tcggaggaaa tctgttcacc gagtgttggc ggaactggat gatgagagt 420
agcctcctga gaaccgcga ccggctcctta tggagcccan gaagaaactc cgtgtagaca 480
aagccccact gactcccact ggaaatcgac gtggccgtcc tcggaagtac ccagtgaagc 540
ctcccatggc tcccctgca gttgggggcg gggagccctg tgcagctcct tgttgctgcc 600
tgccccagga agagacagt gcctgggttc agtgtgatgg ctgtgacgtc tggttccatg 660
tggcctgtgk kggtgcagc atccaggtcg ccaggaggc cgacttcyca tgcccaggg 720
gccgggctgg cattcagacc taaggtcerc ygccaaggca ccacgggaca cacctgccc 780
tgagtagaca cagcagcgag caaataggtc tgataaatam cccccttccc ttccctcccc 840
aagaggaatg actacagga agaaggatgg attgatgtgg actcattcag gccttgagca 900
gaccctggtg gccaaagacag aagaga 926
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<210> 743

<211> 1017

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (599)

<223> n equals a,t,g, or c

<400> 743

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aaataaaaaga agtatcagca gagctcaggt gctaacacct gttgagggt gacctacaaa 120
actctgccta caaaactctc ttagacaggt gaatatgcca ctagaagtta ggttgctggt 180
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gcactaccct gtttgctgta agagaaaaca aagcacctgt tagtagggag gctttagggg 480
gaagccccgt cttgggggca tttctgggca gattgtgaat tggaggaaac tctttaactg 540
aagtactctg gctggaccct gcccttgtgt gaccatgtct cctattgcac cagcatttng 600
aattccatgg ctcaagaggg ttctgggtacc atttattcac agactgtatc ctcgagagag 660
ctgctatata tgggagtgtg ccagccaact ccttttccag tgtctgtaag tcacctcatt 720
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caagcagtg cagaggccct cagaaaggga ttagggtaga tgattgcaac tgaaacacaa 840
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tcttcttttct ttgccagggg attttggggg ttttgcccca aaatataccc tgggcatagc 900
attactgcag tcttggtatgt ctaccccaaa cttccacacc atccttcgac ccacagctgc 960
acctttatatt atttattttg ctccagcctg ggggacagag tgagacttcg tctcggg 1017

<210> 744

<211> 361

<212> DNA

<213> Homo sapiens

<400> 744

gggtggccgct ggagtttgtg tggccgcgcg cgccgggaacg cgagcccggt aatttttcaa 60
cggagaaaagg cgaggctttc gggctctgca gagtgcagagt tagcaagtgt ccggctccag 120
ccggcatgga ggatccacag agtaaagagc ctgccggcga ggccgtggct ctgcgcgtgc 180
tgagagtcgcc gcggccggag ggcggggagg agccgcgcgcg tcccagtcgc gaggaactc 240
aacagtgtaa atttgatggc caggagacaa aaggatocaa gttcattacc tccagtgcga 300
gtgacttcag tgaccgggtt tacaagagaga ttgccattac gaatggctgt attaatagaa 360
t 361

<210> 745

<211> 1936

<212> DNA

<213> Homo sapiens

<400> 745

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taatcagaaa ctacataagg aatgttatat aggcttgtca gttcccatatt ttcttgacaa 120
caataaatac cactttttaa aatgacacat atttaaacac ttagaaaata aagttaacac 180
ttactgaagt gctagtacta aactgtgcta gtactaaaag aaaacagggt ggaacataca 240
tatagcctag catttataac agaattggtg aacgysygya aatgattttt tttttttttt 300
gcaaaggaaa aaattgatac tggaaaagat tgttgtgcat agttattagt catttgtaac 360
cttgcttaag tatttcttag tccaacatag atattttctt tctcctgacc atgtatttta 420
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ccccattgta ccaaaaagat aaaaaaatgg taaacactga tcaaggtatt ttgtattgtc 1680
aaggcatgca tattctaaag aattaaatgc taacttaaca gcactggctt tctggctggg 1740
caactatatg aaaccttggt cattcctccg agtactgtaa tgttcacact tgtacaatct 1800
tccctgtcat gactttaagt tctacttttc attaaccatg gcctgatatt agttcttaga 1860
gcttcttggt gcaaaaataa aatgatttaa ttctgaaaaa aaaaaaaaaa aaaaaaaaaa 1920
ctcgagacta gttctc                                     1936

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<210> 746

<211> 1619

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1567)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1568)

<223> n equals a,t,g, or c

<400> 746

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aggcaaggac cctcaaaata aacagcctct accttgcgag ccgtcttccc caggcctgcg 120
tccgagtctc cgccgctgcg ggcccgcctc gacgcggaag atctgactgc agccatgagc 180
agcaatgagt gcttcaagtg tggacgatct ggccactggg cccggggaatg tcctactggg 240
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cttcagata tttgttatcg ctgtggtgag tctgggtcatc ttgccaaagg ttgtgatctt 360
caggaggatg gcctgctata actgcggtag aggtggccac attgccaaagg actgcaagg 420
gcccaagaga gacgagagc aatgctgcta caactgtggc aaaccaggcc atctggctcg 480
tgactgcgac catgcagatg agcagaaatg ctattcttgt ggagaattcg gacacattca 540
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gaattgcaga gaaatgcatt ttcacagaaa tcaagatggt atttttgtat actatatcac 1440
ttagacaact gtgtttcatt tgctgtaatc agttttttaa agtcagatgg aaagagcaac 1500
tgaagtccta gaaaatagaa atgtaatttt aaactattcc aataaagctg gaggaggaag 1560
ggganannaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaagg 1619

<210> 747

<211> 492

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (54)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<400> 747

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ttgatttgta tccactgtca ccagcactgc tcacttagga ctttctggat ccggacccag 120
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ggcctccaat cggcacctyc tccaggctcg tgggcatcac ctgcattgtt aatgstacca 420
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gccccattgg nt 492

<210> 748

<211> 603

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (598)

<223> n equals a,t,g, or c

<400> 748

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agcgggcggc ggcgttggcg gcttgtgcag caatggccaa gatcaaggct cgagatcttc 120
gcgggaagaa gaaggaggag ctgctgaaac agctggacga cctgaagggt gagctgtccc 180
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tccggaaatc cattgcccggt gttctcacag ttattaacca gactcagaaa gaaaacctca 300
ggaaattcta caagggaag aagtacaagc ccctggacct gcggcctaag aagacacgtg 360
ccatgcgccg ccggtcaac aagcacgagg agaacctgaa gaccaagaag cagcagcgga 420
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aaagcacagc tggctgagaa aaaaaaaaaa aaaagggggg gccctttaag agggatccct 540
tcgaaggggc ccaaagctta mgcgtkgcat tscgaacgtc aataggttct cttccctnat 600
tag 603

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<210> 749

<211> 2045

<212> DNA

<213> Homo sapiens

<400> 749

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tggccagggt agggaggggg cgacgtgag atggggggcg cggcggcgga agcggatcgc 120
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<210> 750

<211> 1144
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<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

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<222> (1127)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1130)
<223> n equals a,t,g, or c

<220>
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<210> 751
<211> 1598
<212> DNA
<213> Homo sapiens

<400> 751
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<210> 752
<211> 1485
<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1382)
<223> n equals a,t,g, or c

<220>
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<222> (1429)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (1436)

<223> n equals a,t,g, or c

<400> 752

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<210> 753

<211> 1756

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1740)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1756)

<223> n equals a,t,g, or c

<400> 753

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aaaaaaaaa aaaaan 1756

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<210> 754

<211> 1795

<212> DNA

<213> Homo sapiens

<400> 754

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<210> 755

<211> 1280

<212> DNA

<213> Homo sapiens

<400> 755

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<210> 756

<211> 3665

<212> DNA

<213> Homo sapiens

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<221> misc feature
<222> (3654)
<223> n equals a,t,g, or c

<400> 756

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<210> 757

<211> 1221

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1071)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1081)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1201)

<223> n equals a,t,g, or c

<400> 757

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<210> 758

<211> 631

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (630)

<223> n equals a,t,g, or c

<400> 758

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<210> 759

<211> 2496

<212> DNA

<213> Homo sapiens

<400> 759

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<210> 760
<211> 2048
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1957)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1963)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2006)
<223> n equals a,t,g, or c

<400> 760

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<210> 761

<211> 1757

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1728)

<223> n equals a,t,g, or c

<400> 761

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<210> 762

<211> 4448

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (920)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4433)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (4446)

<223> n equals a,t,g, or c

<400> 762

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<210> 763

<211> 2890

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<400> 763

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cggcccagct ctcccgcgcc gactctgcc catcctccgg tgacgtcagc cggggccgcc 180
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ggtcctgcga ccctctcggc ccggtcgggc gcctcggcgg gagccatgac ctcgctgacc 480
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gagcaggacg acgacgacaa gggcgactcc aaggaaacgc ggctgaccct gatggaggaa 660
gtgctcctgc tgggcctcaa ggaccgcgag ggttacacat cattttggaa tgactgtata 720

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tcattctggat tacgtggctg tatgttaatt gaattagcat tgagaggaag gttacaacta 780
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<210> 764

<211> 1703

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (860)

<223> n equals a,t,g, or c

<400> 764

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agccctctcc gttgggtgac tcttggtgac ccttttagaca ggctggcctg ccggttccac 180
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ggtaacatgg gccttcagga tgaccccttg gaactgtgcc gagttcctta aatctcagct 300
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gccggagntg tggaagaact ctgctcgagg gcagggtgcc ctggaacact ggtagttctg 420
gggctgggag ggagaggggc tccggctttc tctgaaatga aactgctct tcagcagttc 480
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ttaaggcatg gaaaggaag aatgctcaag caagtcatgt ttgttttcag tgggatgggc 600
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ggcacggtga acacgcggac tatactctgt gaccgtgcga cgcgcgaggt aagggccctt 1620
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aggcgctgt ggcccaaggc gat 1703
```

<210> 765

<211> 262

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (156)

<223> n equals a,t,g, or c

<400> 765

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kagctgtggg tttgaraggt tatttgtcca tgggatgctc gtgttaaaac aaaaatcttc 120
attgcaaagc ttaagtaaaa acaagtctcg accganatcc ttcattgatga gagatttggg 180
gacacttctc tctcctgtgt gtagttgata gtttggtggg gaagagatgg ctgacagtgt 240
caaaaccttt ctccaggacc tt 262
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<210> 766

<211> 3072

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3072)

<223> n equals a,t,g, or c

<400> 766

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ttactcattg gaggaacagt accttggtt ggctcttgac gtggacagaa ytaaaaagga 120
csaagaagag gaagaagacc aagccccacc atgccccagg ctcagcaggg agctgctgga 180
ggtagtagag cctgaagtct tgcaggactc actggataga tgttattcaa ctcttccag 240
ttgtcttgaa cagcctgact cctgccagcc ctatggaagt tccttttatg cattggagga 300
aaaacatgtt ggcttttctc ttgacgtggg agaaattgaa aagaagggga aggggaagaa 360
aagaagggga agaagatcaa agaaggaaag aagaagggga agaaaagaag gggaagaaga 420
tcaaaaccca ccatgcccc aagctcagcag ggagctgctg gatgagaaag ggctgaagt 480
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aatttttgtc caaagttatt ttaatctata caattaaaag cttttgccta tcaactctgga 2940
ctgttggatt gttttttaca ttacgtgtta taatmtttgt tatgctgatt ggttttgggtg 3000
ggtagctgatg tgaattaata aaaacatttc atttccaaaa aaaaaaaaaa aaaaaaaaaa 3060
aagggggggcc cn 3072

```

<210> 767

<211> 1321

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1321)

<223> n equals a,t,g, or c

<400> 767

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catcttcgtg gggaacacga cccttatcga cgaggacgtg tatcgccctc ggctcgatgg 180
ttactcgggtg accgacgcgg tggccctgcg ggtgcgctcg ggaatcctgg agcagactgg 240
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n 1321

```

<210> 768

<211> 1532

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (1523)
<223> n equals a,t,g, or c

<400> 768

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ggagggactg attgcagaac cttcttgaca agccacataa atctaaagaa aacgttgtgt 180
gacgtgatcc tcatgggtcca ggaaagaaag atacctgctc atcgtgttgt tottgctgca 240
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cagrttgaac ctgtgaagaa aatgtgtgtt gattttttga aagaacaagt tgatgcttca 480
aattgtcttg gtataagtgt gctagcggag tgtctagatt gtcctgaatt gaaagcaact 540
gcagatgact ttattcatca gcactttact gaagtttaca aaactgatga atttcttcaa 600
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gtggtccaga ttggttttag gtngtcttgg ac 1532
```

<210> 769
<211> 2569
<212> DNA
<213> Homo sapiens

<400> 769

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```

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```

<210> 770

<211> 1637

<212> DNA

<213> Homo sapiens

<400> 770

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aaaaaaaaa aactcga 1637

```

<210> 771

<211> 2485

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2479)

<223> n equals a,t,g, or c

<400> 771

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taaattggtat tgtttttaaa ttttattttc taattatagc aacttgtagt tagagtcagt 540
tgccacttta tgatggggat atgagaaatg cattgttagg cagtttcata atgcaaaca 600
catagagtgt acttacgcaa atcatgcaaa catcatagag tgtacttaca caaacctaaa 660
tggtacatgc tgctacacac cttagctgta tgatatagcc agttgctcct agactgcaaa 720
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<210> 772

<211> 432

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<400> 772

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taagggttcg gcaatcactg tcacccccgg acagcagaac gcttggcatc agcttatctt 360
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ggagggaagaa ca 432

```

<210> 773

<211> 1048

<212> DNA

<213> Homo sapiens

<400> 773

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gaaaaaatta aaaagaaaaa ttgttttgaa aatgtacaga tcaagtccaa tattttgatt 60
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ttagcagagt accactagta atgcacaaac atgtacaata tggtcattca taaccgattt 180
ttatagaata cttttttacat gtgcaactcc atccgttatg taaggattac atgaatattg 240
cacattccct tctggtttca caaacccatt tatacatatt tcttagtgag gctcattgta 300

```

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catgtattga agctagaatc gagtcaagaa aaataaaagcc ccattctcca actgcaaaat 360
gtgctttccc ataatgaaca ctagtaccca gcacagaata atctccaaca ttttctaaat 420
tctaattgcc aactgtttct atttatattt gatttatatt tcatttggag tctgttacat 480
ggcagcttag gcagactaga tcttgttttt tcccaatgca gcataatgag tatgatctat 540
ttcttttcaa ataatctttg agatcccagg aaaaaaaaaa tgctctgctc cattgagcta 600
taatgtaaat gtgtttgttt aaaaaacagg tgaggcaagt gagtgattta ttgttcctga 660
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ataatgggta actttttgtt ttctactagc gaacttccat gacatttcct ttctatgtag 780
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ttctatatcg gttatactaa ctttcattta aagtatttat tctaaaatgc ctctgagaaa 960
cagtaaaaaa taaaaacaac aagttgtcta aaatgcaaca gcttttatag taaatgtaca 1020
tttataaata aaataactcaa atcaaaaa 1048

```

<210> 774

<211> 1019

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (971)

<223> n equals a,t,g, or c

<400> 774

```

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cawtttttaa atgrgtaaaa ccyctgtatt tcygctggca ttaagggtkg atgggtgttac 840
catgtatcat catggcggta ctatttttta aaagaaatta aacactggat ctctccttaa 900
gccaacattg aaaagacttg ccgcacttct gagtccaaac actggaaaagc tctcctttgc 960
caccgtagg nggggtcat tctccatgtg ccttagcctt aaacatgcc ccaactcgc 1019

```

<210> 775

<211> 2248

<212> DNA

<213> Homo sapiens

<400> 775

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gggcccgcgc cgtaggaagg cacggccggc ggccggcgag cgcagcgatg gccgggagag 60
ggggcagcgc gctgctggct ctgtcgggg cactggctgc ctgcgggtgg ctccctgggc 120

```

```

ccgaakccca kgakcccggg ggcggcggg cgggcatgag gggcgccgg cggctgcagc 180
aagaggacgg catctccttc gactaccacc gctaccccg gctgcgcgag gcgctcgtgt 240
ccgtgtggct gcagtgcacc gccatcagca ggatttacac ggtggggcgc agcttcgagg 300
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ttttcttgcc ccagtaccta tgcaacgaat accagaaggg gaacgagaca attgtcaacc 480
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aaaaaaaaaa aaaaaaaaaa aactcgag 2248

```

<210> 776

<211> 1605

<212> DNA

<213> Homo sapiens

<400> 776

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gggatccttg tggcccttcc ggtcgrtgga accaatccgt gcacagagaa gcggggcgaa 180
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gcaccgacc agccggcagt atgccagct tgacgtctac aaccctttt agaccggga 420
gccaccacca gcctatgagc ctccagccc tgccccattg cctccaccct cagctccctc 480

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```

<210> 777

<211> 1808

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1806)

<223> n equals a,t,g, or c

<400> 777

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agcctcgaca caatgtcatg atcagcactg agtgggcagc tcccaatgtc ttacgagatg 720
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ggcagcgcca tgagattgtg cagaccctgt ctctaaaaga tgggcttatt cccttggaag 840
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<210> 778

<211> 1484

<212> DNA

<213> Homo sapiens

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<222> (1479)

<223> n equals a,t,g, or c

<400> 778

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gcttgagttt tgattcatca tggataatct gtcatcagaa gaaattcaac agagagctca 180
ccagattact gatgagtctc tggaaagtac gaggagaatc ctgggttttag ccattgagtc 240
tcaggatgca ggaatcaaga ccactactat gctggatgaa caaaaggaa aactaaaccg 300
catagaagaa ggcttgacc aaataaataa ggacatgaga gagacagaga agactttaac 360
agaactcaac aaatgctgtg gcctttgtgt ctgccatgt aatagaacaa agaactttga 420
gtctggcaag gcttataaga caacatgggg agatgggtgga gaaaactcac cttgcaatgt 480
agtatctaaa cagccaggcc cggtgacaaa tggtcagctt cagcaacca caacrggagc 540
agccagtggg ggatacatta aacgcataac taatgatgcc agagaagatg aaatggaaga 600
gaacctgact caagtgggca gtatcctggg aaatctaaaa gacatggccc tgaacatagg 660
caatgagatt gatgctcaaa atccacaaat aaaacgaatc acagacaagg ctgacacca 720
cagagatcgt attgatattg ccaatgccag agcaaagaaa ctcatgaca gctaaagcta 780
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ccttccttct agtattttct ttctcaatto atacgcttag attggttttc atatgtcatg 1020
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ttcaggccac aaagcaaaaa gttgcatagc cacaacgaag atctagttgg atatagtttt 1260
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agttttcttt cttttttttt ttttngggag tcagagtctc gctcycytk ccmrggctgg 1440
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<210> 779

<211> 1343

<212> DNA

<213> Homo sapiens

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<400> 779

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gaatgcgtgt gcctccacac ggggtctgggc atccggactg ataaccagcc ggccagactg 180
agggatggaa ggcactgaga tgggggcccg tccaggcgga caccgcaga aatggagctt 240
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ctccctctct cctcctcagc ctggctcttc tctttggtgc acacttagtt attgttgtga 360
gcaatggaag ttcaaaggaa ctccctctcc agctcttctg aatcttgga cacagcctaa 420
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tctagccaga agggaggggt agggtagaag aaagttattc ccgaagaaaa aaagaatgaa 1260
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<211> 453

<212> DNA

<213> Homo sapiens

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agacactgtc tctaccaaaa aaaggaagga agggacacat atcaaactgn aacaaaatta 180
gaaatgtaat tatgttctaa gtgcctccaa gttcaaaact tattngaagtg ttgagagttt 240
ggttacggaa ttcggttngg ggggccaaag ggttgtttta gntttttaat nccggtntnt 300
ttcgggnaac ccttggaat ttttggggct ccttgtagnn ncccccttt nggagggggg 360
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<210> 781
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aagagagcga gaccctgtct caataaataa ataaataaat aaataaataa ataaataaaa 180
acaaagtga ttaagaaagg aagtataggc caggcacagt ggctcacacc tgtaatcctt 240
gcattttgga aggctgaggc aggaggatca ctttaggcct ggtgtgttca agaccagcct 300
ggtcaacata gtgaggacac tgtctcttac caaaaaaagg agggaaggga cacatttcaa 360
atgaaacaaa ttagaatgtt atttatgttc taagtgcctc cagttcaaaa ttttttgat 420
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<210> 782
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<212> DNA
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<400> 782

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tttttgattt tttagtagag acagagtttc accatgttgg ccaggctggg cttggaactc 240
ctggaccttg tggatccacc cacctcggcc tcccagagtg ctggggatta cagggcatga 300
gccaccacgg cttgggctna aggaacacct aanttttatg tttcttggn tcaaaaacca 360
gtttccattc nnangttgtc ctcacaagan ggttantggg ggtggagaca gcaggggagg 420
gaggggaagag ngtggtttgt aantggttca antcaggcan taagcgattt tagctttaat 480
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<210> 783

<211> 586

<212> DNA

<213> Homo sapiens

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gcctacccga gtgtgcgant agccaaggaa ggaagacttc aagaagtcac tgaaaccctt 240
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tggttncaac atggncgtac nttatgtttg aaggaaantc acagaacntt cccatccaaa 480
cnttngattn aattgataat cccacgaatg ggtttaccga ggccaagatt ttatgttgga 540
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<210> 784

<211> 226

<212> DNA

<213> Homo sapiens

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<221> misc feature

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aagcgtgaca ttcaggaaaa cgatgaagag gcagtgcgaag tcaaagagca gagcatcctg 180
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<210> 785

<211> 356

<212> DNA

<213> Homo sapiens

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gagcagggtt tccccttgga cctcggagca agtttcaccg aagatgctcc cccgancccn 180
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ctgctccggg naangtggtg gcattaaagg tgagacttcg acggccactc cgaagcgctc 300
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ccctctgcag caatggccac cggcgggctg ccacacggac ttccccctgg ggacggcant 180
tcccacgcag gacttacccc ggacctggg tcttgaggga agtgctgagc agcaggggac 240
tgttcacccct gccctgccgg ttctctnccg ggtttccatc cccacccggg ggcccaattt 300
acccatnnct ttctngncc ccattcagat gcagccgnaa gttnccgnc gttncattaa 360
ccaaggggtt tatgccaacc ggttnctgga tgccaaagga ggcccaagtc aaaggggggn 420
aaggagggtt tgggccccgg aaaaggaccg gcaaccanatt ttgattang gggtttggga 480
aaaacnttca aaaaagggtt tttcccantt tt 512

<210> 787

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cctcctgccc aggctccgga catggacatc ttccagcaac agatctcgag aagacagctg 120
gctaaaatcc ttatttgtcc ggaaagtga tccaagaaaa gatgccact ccaatctcct 180
atccaaaaag gaaacaagca atctatacaa attacagttt cacaatgtta aaccggaatg 240
cctagaanca tacaacaaaa tttgtcaaga ggtgttgcca aagattcacg annnataaac 300
actacccttg tactttggtt gggggacttg gnaacacgt 339

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agttttctat gccagtggt cctgacttcg aaacgctatt ctacacaggtt cagctcttca 180
tcagcacttg taatggggag cacattcgat atgcaacaga cacttttgct gggctttgcc 240
atcagctaac aaatgcactt gtggaaaagaa aacagcccct gcgaggaatt ggcacacctta 300
agcaagccat agacaagatg cagatgaata caaaccagct gacctcaata catgntgatc 360
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tccacctctg gggcgcatc caaccttcca gcctgcgacc tgcggagaaa aaaaattact 180
tattttcttg cccatacat accttgaggc gagcaaaaaa attaaatttt aaccatgagg 240
gaaatcgtgc acatccaggc tggtcagtgt ggcaaccaga tcggtgccaa gttctgggag 300
gtgatcagtg atgaacatgg gcatcgacct caccgggcac ctaccacggg ggacagcgac 360
ctgccagctg ggaccgcatn ttctgtgtac tgacaatgga agccacaggt ggnaaatgat 420
gtttcctcgt ggccatcctg gtgggatctn agaacctggg naccatggaa tctggttgng 480
ttcaggtccc ttttgggcca ntgttttaga ccagngaa 518

<210> 790
<211> 386
<212> DNA
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<400> 790
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cctacagcta tcgccagtcg tcggccacgt cgtccttcgg aggcctgggc ggcggtccg 120
tgcgtttttg gccgggggtc gcttttcgag cgcccagcat tcacgggggc tccggcgggc 180
gcggcgatc cgtgtcctcc gcccgcttg tgtcctcgtc ctctcgggg ggctacggcg 240
gcggctacgg cggcgctcctg accgcgtccg acgggctgct ggcgggcaac gagaagctaa 300
ccatgcagaa cctcaacgac cgcctggcct cctacctgga caaggtgcgc gccctggaag 360
cggccaacgg cgagctagag gtgaaa 386

<210> 791
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<222> (402)

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caggctatat ttgaaatact ggagaaatcc tggttgcccc agaattgtac actggttgat 180
atgaagattg aatttgggtg tgatgtaacc accaaagaaa ttgttcttgc tgatgttatt 240
gacaatgatt cctggagact ctggccatca ggagatcgaa gccaacagaa agacaaacag 300
tcttatcggg acctcaaaga agtnactcct gaagggctcc aaatggtaaa gagaaacttt 360
gagtgggttg cagagagagt agagttgctt ttgaaatcag anagtcagtg cagggttgta 420
gtgttgangg gctctacttc tgatcttggt cactgtgaaa aaatccagga 470
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<210> 792

<211> 428

<212> DNA

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atcaagatca tcgcaccccc agagcgcaag tactcggtgt ggatcggtgg ctccatcctg 180
gcctcactgt ccaccttcca gcanatntgg attacaagca ggagtacnac aantcgggnc 240
cctccatcgt ccaccgcaaa tgcttctaac ngactncan atgcttacca ttgctgcatg 300
ggttaattaa naataaaaaan ttgcccctg gcaaattgcac acacctcatg cttacctccc 360
caaaattgga ataanccttc caaaaaaaaaa ntgttcctta aaacttgttt tottaatttc 420
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aggacttcct ggcaggtgga gtggccgcag ccatctcaag acggcgggtan gcccatcgag 180
cgggtcaagc tgctgctgca gttgcaatgc cagcaagcag atcactgcag ataagcaatg 240
caaaggcatt atagactgcg tgggtccgtat tcccaaggag caggattctg tccttctggc 300
gcngtaactg gccatgtcat cagatantnc ccancaggt tcttaatttc gnctttcaag 360
nttaatacaa gcanatnttc nggggtggtg tggnacanga gaaccattt tggggctaen 420
ttgcagggaa tttgggcata ggggtggttc ncgggggccca aattccnggg ttttgngtaa 480
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<212> DNA
<213> Homo sapiens

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gaaggaggaa aggggtgctgc tggtcctcct gggccacctg gtgctgctgg tactcctggt 180
ctgcaaggaa tgcctggaga aagaggaggt cttggaagtc ctggtccaaa ggggtgacaag 240
ggtgaaccag gcggtccagg tgctgatggt gtcccaggga aagatggccc aaggggtcct 300
antggtccta ttggtcctcc tggcccagtt ggccagcctg gagataaagg gtgaagggtg 360
tgcccccgga ttccangta taagttggac ctgtggtgag cctggtgaga gaggtgaaat 420
ggccttnacg gacngttggt ttncctggtg ttcctgga 458

<210> 795
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<212> DNA
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ccgcccgcgc catgggctgc acgttgagcg ccgaagacaa ggcggcagtg gagcgatgaa 180
gnatgatcga ccgcaactta cgggaggacg gggaaaaagc ggccaaagaa gtgnaagntg 240
ctgctacttc ggtgctggag aatctggtta aaagcaccat ttgtgagaca gatgaaaatc 300
atttcagtag gntgggtatt cagaggtnga atgttaaaca atattaaagt tagttntttt 360
ncagcatnnt tgttncagtg ccttcattgc aatnttnagt ggccttgagg ngggtnaaaa 420
aattgatttt ggggaantnt cncagggcaa ttgttgcccg gcaattnttt ntntagntn 480
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<211> 497

<212> DNA

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tagataaggc tggcacctgg gccccccggg agctgggtgct ggtgggtccag gtgcataacc 180
ggcccgaata cctcagaactg ctgctggact cacttcgaaa agcccaggga attgacaacg 240
tcctcgtcat ctttagccat gattctgggtc gaccgagatc aatcagttga tcgccgggggt 300
tganttctgt tccggttttg caggtgtttt tttnttttc aagcattcaa ttgttancct 360
aacgagtttt ccagtaagtg gaccncagag gatttntccc agagaacntn ccgaagaatg 420
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<212> DNA
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gtcgtgactg ggaaaaccct ggcgttaccc aacttaatcg ccttgacgca catccccctt 180
tcgccagctg gcgtaatagc gaagaggccc gcaccgatcg ccttcccaa cagttgcgca 240
nctgaatggc gaatgggacg cgccctgtag cggcgcatc agcgcggcgg gtgtggtggt 300
tacgcgcagt gaaccgctac acttgccagc gccctagcgc ccgtccctt cgctttcttc 360
ccttcccttc tcgccacgtt cgccggcttt ccccgtaag ctctaaatcg ggggctcctt 420
tanggttccg atttagtgct ttacgggcac ctcgaccca aaaaaacttg attangggta 480
atggntcacg tantngggcc atcgccctga tagacggtt ttgcgctttg acgttngngt 540

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589

<210> 798

<211> 169

<212> DNA

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<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (169)

<223> n equals a,t,g, or c

<400> 798
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atccaagctt acgtacngcg catgcacgtc atagctcttc tatagtgtca cctaaattca 120
attcactggc cgtcgtttta caacgtcgtg actgggaaaa cncntggn 169

<210> 799
<211> 112
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
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<222> (25)
<223> n equals a,t,g, or c

<220>
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<222> (103)
<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
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<222> (111)
<223> n equals a,t,g, or c

<400> 799
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agctaaattc aattcactgg ccgtcgtttt acaacgtcgt gantgggaan nc 112

<210> 800
<211> 424
<212> DNA
<213> Homo sapiens

<220>
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<222> (372)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<400> 800
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cgtcagatcc cattcaactc agacgcttac ctgtaattct gatggcgaat gggtgtataa 120
caccttctgt atctacaaac gatgcagaca cccaggagag ttacgtaatg ggcaagtaga 180
gattaagaca gatttatctt ttggatcaca aatagaattc agctgttcag aaggatTTTT 240
cttaattggc tcaaccacta gtcgttgtga agtccaagat agaggagttg gctggagtca 300
tcctctccca caatgtgaaa ttgtccaagt gtaagcctcc tccagacatc aggaatggga 360
aggcacagcg gnngaagaaa atttctacgc ntaanggggt ttctgtcacc taaagntggg 420
accc 424

<210> 801
<211> 249
<212> DNA
<213> Homo sapiens

<220>
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<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (63)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (74)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (101)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (242)
<223> n equals a,t,g, or c

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gtnaggccat tgtngacaca ggcacttccc tcatggtggg nccggtggat gangtgcgcg 120
antgcagaag gccatcgggg ccgtgccgnt gattcanggc gagtacatga ncccctgtga 180
gaagggtgtcc accctgcccg caatnacact gaagctggga ggcaaaggct acaagctgtc 240
cncagagga 249

<210> 802

<211> 402
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (147)
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<220>
 <221> misc feature
 <222> (149)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (310)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

<220>
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 <222> (344)
 <223> n equals a,t,g, or c

<220>
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 <222> (363)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (383)
 <223> n equals a,t,g, or c

<400> 802
 acccacgcgt ccgcccacgc gtcccggacg cgtgggtcga cccagctttc tagggcccta 60
 gaaactctga caggtgcctt attccagcga cccccactta ttgctgcagt aaagaggcag 120
 ctccgagtga ggaccatcta cgagagnana aatgattgaa tacgatcctg aaagaagatt 180
 aggaatcttt tgggtgagtt gtgaggctgg cacctacatt cggacattat gtgtgcacct 240
 tggtttggtta ttgggagttg gtggtcagat gcaggagctt cggagggttc gttctggagt 300
 catgagtgan aaggaccaca tngtgacaat gcatgatgtg cttnatgctc agtggctgta 360
 tgntaaccac aaggatgaga gtnacctgcg gggagttggt ta 402

<210> 803
 <211> 542
 <212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (507)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<400> 803
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ccacagcggg ggctgccggg cgtggtgtcg gtgggtcggg tgggttttgt ctcaccgttg 120
gntnccgtgc cgttcagttg cccgccatgg ctgagctgga tccgttcggc gccctgccc 180
gcgcccctgg ggtncgccgc ctggggaacg gatgnccggc gccggcgaag aagaccggc 240
tgcggccttc ttggcgcaaa gnagaagcga gattgcgggc atcgagaacg acgaggcctt 300
cgccatcctg gaacggcggc gccccgggc cccaaccgca aggaaagtcc ggcgnggggt 360
tccgatgctg ttgnatggan taatgnaatg gtggattatn acnagnaaat taatggttcc 420
aacanaaatt atgcagtatt tcaaaatgga tcgattgcat caaacctga aatatacctaa 480
atggaganag aaaatggaan nttgaancct taagccaatt tcggaancaa aaacaaatgg 540

aa

542

<210> 804
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (71)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (116)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<400> 804
agangaccgg cagcctgtac ctgggcagca gatgaccctg aagatagagg gtgaccacgg 60
ggacnnncn ngctactggtg gccgtggaca agggcggtgtt cgtgctgaat aagaanaaca 120
aactgacgca gagtaagatc tgggacgtgg tggagaaggc agacatcggc tgcaccccg 180
gcagtgggaa ggattacgcc ggtgtcttct ccgacgcagg gctgaccnnc acgagcagca 240
gtggccagca gaccgcccag anggcagaac ttcagtgtcc gcagccagcc gcccgccgac 300
gcngttccgt gcagctcacg gagaagcgaa tggacaaagt cggcaagtac cccaaggagc 360
tgngcaaagt ctgcgaggac ggcattcggg agaaccocat gaagttctcg tgccagggcg 420
gg 422

<210> 805
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (342)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (519)
<223> n equals a,t,g, or c

<400> 805
cgagctgacc ctgatcaggg ccgagttgtc tcggcggcgc tgccgaggcc tccacccggg 60
gaggggtggtt accgctgagg agctgcagtc tctgtcaaga tgatagagg actgacaaca 120
actgactctc agaaactgct acaccagctg aatgccctgt tggaacagga gtctagatgt 180
cagccaaagg tctgtggtt gagactaatt gagtctgcac acgataatgg cctcagaatg 240

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actgcaagac taagggactt tgaagtaaaa gatctttctta gtctaactca gttcttggct 300
tgacacagag acatttctct agctgtgaat tactggacag antcctgtct aaaatgaang 360
tacagcccaa gcacctgggt gtgttggact gagctgcttt ttttggctg taaaatcaat 420
agaagaggaa aaggatgtcc cattggcaac tgacttgatc cgaataagtc aatataaggt 480
tacgggttca gactgatgag aatgggaaaa attgtatnng agaagggtgtg tttggaagtc 540
aagctactaa tgcctttcaa ttctgc 566
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<210> 806

<211> 438

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (383)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<400> 806

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cccagtccta gctgctggca tcactatact actaacagac cgcaacctca acaccacctt 60
cttcgacccc gccggaggag gagaccccat tctataccaa cacctattct gatttttcgg 120
tcaccctgaa gtttatattc ttatcctacc aggcttcgga ataatctccc atattgtaac 180
ttactactcc ggaaaaaaag aaccatttgg atacataggt atgggtctgag ctatgatata 240
aattggcttc ctaggggtta tcgtgtgagc acaccatata tttacagtag gaatagacgt 300
agacacacga gcatatttca cctccgctac cataatcatc gcttatcccc accggcggtca 360
aagtattagc tgactcgcca canttccacg ggagcaatat gaaatgatct ggctgcagtg 420
ctctgagncc taaggant 438
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<210> 807

<211> 236

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (122)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (140)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (215)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (219)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<400> 807
ctcgtgccga attcggcacg agaaactttc ctactatct gcttcatccg ccaactaata 60
tttactttta catccaaaca tcactttggc ttcgaagccg ccgcctgata ctggcatttt 120
gnacatgtgg ttgactatn tccgtatgtc tccatctatt gatgagggtc ttaaaaaaaaa 180
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaanccng ggggggggncc nggacc 236

<210> 808
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (399)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (473)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (512)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (516)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<400> 808
ggcacgagtg gagaaccggg cccagcagca ctggggcagtg ggagtgggag tgaagaagct 60
gtgtgaactg cagcctgagg agaagtgctg tgtggtgggc actctgttca aggccatgcc 120
gctgcagccc tccatcctgc gggaggtcag cgaggagcac aacctgctcc cccagcctcc 180
tcggagtaaa tacatacacc cagatgacga gctggtcttg gaagatgaac tgcagcgtat 240
caaaactaaaa ggcaccattg acgtgtcaaa gctgggttacg gggactgtcc tggctgtgtt 300
tggctccgtg agagacgacg ggaagtttct ggtggaggat tattgctttg ttgaccttgc 360
tccccagaag cccgnacccc cattgacaca gttaggttnt gttantgggtg tccggcctgg 420
gcctgggtgg cgttggaggc gagagcntgt tgggcaccca ttgttgggtg atntgggtgac 480
ggggcagttt ggggacgaag ggnagcatgc ancgngcca agtttcccgg ttatcctggt 540
tgnaacttct aa 552

<210> 809
<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<400> 809

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ggcacgaggc tgaggcggcg ccagttggcc gggcacgggg ctgctgtaag gccgaggttg 60
cggcggaagc ggagaccatg ttccgagcgg cggctccggg gcagctccgg cgggcggcct 120
cattgctacg atttcagagt accctggtaa tagctgagca tgcaaatagat tccctagcac 180
ccattacttt aaataccatt actgcagcca cagccttgg aggtgaagtg tcctgcttag 240
tagctggaac caaatgtgac aaggtggcac aagatctctg taaagtagca ggcatagcaa 300
aaagttctgg tggctcagca tgaatgtgta caagggctta cttccagang gaactgaana 360
cnatnatttt tggaaactcn                                     380
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<210> 810

<211> 416

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (352)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (406)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<400> 810
aagaaagtag aggacatgat gaagaagctg tgggggtgacg gcccagaagt accgctgcga 60
gctcctgtac gaggggcccc cggacgacga ggctgccatg ggcattaaaa gctgtgaccc 120
caaaggccct cttatgatgt atatttccaa aatgggtgcca acctccgaca aaggtcgggtt 180
ctacgccttt ggacgagtct tctcggggct ggtctccact ggcctgaagg tcaggatcat 240
gggggcccaac tatacccctg ggaagaagga ggacctctac ctgaagccaa tccagagaac 300
aatcttgatg atgggcccgt aagtggaagc ccatcgaagg atgtgccttg tngggacatt 360
ttgggcctcg tggcgttgga ccantccttg tgaaaacggg naccannaac aacttc 416

<210> 811
<211> 748
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (543)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (619)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (668)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (671)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (714)
<223> n equals a,t,g, or c

<400> 811
gccgccagc cagcctcat ggagcccatc taccttgtag agatccagt tccagagcag 60
gtggtcggtg gcatctacgg ggttttgaac aggaagcggg gccacgtgtt cgaggagtec 120
caggtggccg gcacccccat gtttgtggtc aaggcctatc tgcccgtcaa cgagtccttt 180
ggcttcaccg ctgacctgag gtccaacacg ggccggccagg cgttccccca gtgtgtgttt 240
gaccactggc agatcctgcc cggagacccc ttcgacaaca gcagccgccc cagccagggtg 300
gtggcgagaga cccgcaagcg caagggcctg aaagaaggca tccctgccct ggacaacttc 360

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ctggacaaat tgtaggcggc ccttcctgca ggcctgccc ccccggggac tcgcagcacc 420
cacagcacca cgtcctcgaa ttctcagacg acacctggag actgtcccga cacagcgacg 480
ctcccctgag aggtttcttg gggccgctgc gtgccatcac tcaaccataa cacttgatgc 540
cgnttccttc aatatttatt tccagagtcc ggaggcagca gacacgccct cttagtaggg 600
acttaatggg ccggctcgng agggggaggc gggatgggac acccaacact tttttcattt 660
cttcagangg naaacttcag atgtccaaac taattttaac aaacgcatta aganggttaa 720
tttgggtaca atgggcccga atggcttt 748
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<210> 812

<211> 562

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<400> 812

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tctagaacta gtggatcccc cgggctgcag gaattcggca cgagcacaaat ttgcgcgctc 120
tctttctgct gctccccagc tctcggatac agccgacacc atgggtttcg gagacctgaa 180
aagccctgcc ggccctccag tgctcaacga ttacctggcg gacaagagct acatcgaggg 240
gtatgtgcca tcacaagcag atgtggcagt atttgaagcc gtgtccagcc caccgcctgc 300
cgacttgtgt catgccctac gttggtataa tcacatcaag tcttacgaaa aggaaaaggc 360
cagcctgcca ggagtgaaga aagctttggg caaatatggt cctgccgatg tggaagacac 420
tacaggaagt ggagctacag atagtaaaga tgatgatgac attgacctct ttggatctga 480
tgatgaggag gaaagtgaag aagcaaagag gctaagggaa gaacgtcttg cacaatatga 540
atcaaagaaa gccaaaaaac ct 562
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<210> 813

<211> 415

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (27)
<223> n equals a,t,g, or c

<220>
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<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (48)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (50)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<400> 813
gaaaataagn gatgntcgan gtgaaanacc atactaaagg gncaaaantn gantcaccgc 60
ggtgcggcng tctagactag tggatcccc gggctgcagg aattggcacg aggttagttt 120
ctgcgacttg tgttgggact ggaagatgtc ttcaggaaat gctaaaattg ggcaccctgc 180
ccccacttc aaagccacag ctgttatgcc agatggtcag tttaaagata tcagcctgtc 240
tgactacaaa ggaaaaatag ttgtgttctt cttttaccct cttgacttca ctttgtgtg 300
ccccacggag atcattgctt tcagtgatag ggcagaagaa tttaagaaac tcaactgcca 360
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<210> 814
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<212> DNA

<213> Homo sapiens

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<222> (314)
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gggctgcagg aattcggcac agctntgggg gantcctggt gcacccccan ngggtctnct 120
ntgctgcca ttgcctaaag aagaatagcc aggnctggct gggtcggcac aacctgnttg 180
agcctnaaga cacangccag agggtcctn tcagccacag cttccacac ccgctctgac 240

aatantnagc ctttctgaag catcaaagcc ttagaccagn tgaagactcc agccatgacc 300
tcangctgct ccgnct 316

<210> 815
<211> 507
<212> DNA
<213> Homo sapiens

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<220>
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<222> (466)

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<222> (486)

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<222> (506)

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<222> (507)

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<400> 815

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aacgccgcga tggctgcgca gggagagccc caggtccagt tcaaagtagg taaccctgcg 120
ggcgggaggc ggccgagccc gaccgcgtgc gactcgcggg tccctcctcc tggggccacg 180
atggctgtaa tggggccccg catccacatt ctttgtttta agtgagcctg tggtggttaa 240
agttccgtga ctctgggata ttganagggtg aatgtttang gtttacttcc aaaatgtggt 300
tttcaacanc ttgtaatggt tggatgatgt ggtaanggga aaaacgacnt cgtggaantg 360
catttgactg gtggaatttg agaanaatgt gttagccanc ttgggtgttg gaggttcaac 420
ccccaatggt tccacancaa cagaggaccc attaatgtca atgtantggg acacagccgg 480
ccaggngaatt tccgtggact ggaaann 507
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<210> 816

<211> 551

<212> DNA

<213> Homo sapiens

<220>

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<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<400> 816

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gccgctctag aactagtggg tcccccgggc tgcaggaatt cggcacgagc aggcattgcag 120
aaggctgacg tctatagctt tgggatcatc ctgcaggaga tagcacttcg cagtggtcct 180
ttctacttgg agggcctgga cctcagcccc aaagagattg tccagaaggt acgaaatggt 240
cagcgcccat atttcgggcc aagcattgac cggacccaac tgaatgaaga gctagttttg 300
ctgatggagc gatgttgggc tcaggaccca gctgagcggc cagacttttg acagattaag 360
ggcttcattc ggcgctttaa caaggagggg ggcaccagca tattggacaa cctcctgctg 420
cgcatggaac agtatgcaa taacttgag aagctggtgg aggaacgcac acaggcctat 480
ctggaggaaa aacgcaaggc tgaagctctg ctctacccaa tcctacccca ttcagtggca 540
gagcagttaa a                                     551
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<210> 817

<211> 386

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

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<222> (17)

<223> n equals a,t,g, or c

<220>

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<222> (372)

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<220>

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<222> (377)

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<220>

<221> misc feature

<222> (378)

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<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<400> 817

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tcctcttctg ctctgagtat cgcccaaaaa tcaaaggaga acatcctggc ctgtccattg 120
gtgatgttgc gaagaaactg ggagagatgt ggaataacac tgctgcagat gacaagcagc 180
cttatgaaaa gaaggctgcg aagctgaagg aaaaatacga aaaggatatt gctgcatatc 240
gagctaaagg aaagcctgat gcagcaaaaa agggagtgtg caaggctgaa aaaagcaaga 300
aaaagaagga agaggaggaa gatgaggaa atgaagagga tgaggaggag gaggaagatg 360
aagaagatga angatgnnna cacntg                                     386
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<210> 818

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

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<222> (334)

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<222> (339)

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<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<400> 818

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gaatgtaact gaaagataca tggcttgcaa aaagtaaacc acgatcgtaa tgctgatcat 120
accctaataa tcccagcaag ataatgtcct ttcttctaag atgtgcatca agcctggtac 180
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```
atactgaaaa ccctataagg tcctggataa tttttgtttg attattcatt gaagaaacat 240
ttattttcca attgtgtgaa gtttttgact gttaataaaaa gaatctgtca accatcaaaa 300
aaanaaaaaa aaaaaaacctg gggggggggc ccgnanccna ttggccctt tggggggggg 360
tntt                                     364
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<210> 819

<211> 462

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

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<222> (28)

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<222> (47)

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<222> (68)

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<222> (134)

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<220>

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<222> (299)

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<220>

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<220>
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<222> (359)
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<220>
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<222> (379)
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<220>
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<220>
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<220>
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<400> 819
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ggtgccgncc gctctagaac tagtgatcc cccgggctgc aggaattcgg cacgagctcc 120
gccagacagc gggncaaagt gctggcccat ttctatgggg tgaagctgga gggcaagggtg 180
cccatgcaca agctgttctt ggagatgctc gaggccatga tggactgagg caaggggtgg 240
gactggtggg ggttctggcc aggacctgcc ttagcatggg gtccagcccc aagggtgng 300
gcggactggg gtctgggcat gccacagcct gctggcaggc cagggcagtc cntcnccng 360
gggaacaggc cccacgccnt ttcttccctt tctaaggggt gttcaaaact gggaactttt 420
ttccagggtt tgggcacatt gttgcccctt tnnanncata aa 462

<210> 820
<211> 449
<212> DNA
<213> Homo sapiens

<220>
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<222> (8)

<223> n equals a,t,g, or c

<400> 820

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ggagacgctg cagaccgcgc acccggagca gctcggaggc ggtgaataat agctcttcaa 120
gtctgcaata aaaaatggcc tccaacaaaa ctacattgca aaaaatggga aaaaaacaga 180
atggaaagag taaaaaagtt gaagaggcag agcctgaaga atttgtcgtg gaaaaagtac 240
tagatcgacg tgtagtgaat gggaaagtgg aatatttcct gaagtggag ggatttacag 300
atgctgacaa tacttgggaa cctgaagaaa atttagattg tccagaattg attgaagcgt 360
ttcttaactc tcagaaagct ggcaaagaaa aagatgggtac caaaagaaaa tctttatctg 420
acagtggatc tgatgacagc aaacaaaga                                449
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<210> 821

<211> 453

<212> DNA

<213> Homo sapiens

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<220>

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<222> (392)

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<220>

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<400> 821

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gaaatggacc ccaactgctc ttgcgccact ggtggctcct gcacgtgcgc cggctcctgc 120
```

aagtgtcaaag agtgcaaagt cacctcctgc aagaagagct gctgttcctg ctgccccgtg 180
ggctgtgtcca agtgtgtcca gggctgcgtc tgcaaagggg catcggagaa gtgcagctgc 240
tgtgcctgat gtgggaacag ctcttctccc atatgtaaat agaacaacct gcacaacctg 300
gattttttta aaaatacaac actgagccat ttgctgcatt tcttttatac taaatatgtg 360
actgacaata aaaacaattt tgactttaaa anaaaaaaaa agggggccnt ttgggggtccc 420
tggggggccan ttngggggat cgggaaagtt tcc 453

<210> 822

<211> 474

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (260)

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<220>

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<222> (330)

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<222> (367)

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<220>
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accctcactg tcaacccaac acaggcatgc tcataaggaa aggttaaaaa aagtaaaagg 180
aactcggcaa atcttaacccc gcctgnnttac caaaaacatc acctctagca tcaccagtat 240
tagaggcacc gactgcccان gtgacacatg tttaacggcc gcggtaccct aaccgtgcaa 300
aggtagcata atcacttggt ccttaattan ggacctgtat gaatggctcc acgagggttc 360
aagctgnctc ttacttttaa ccagtgaaaa tgacctgncc gngaagaggc gggcataaca 420
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<210> 823
<211> 463
<212> DNA
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gaataagaag gggaagacta tctccctaac agactttctg gctgaggatg ggggtactgg 120
tgagggaagc acctatgttt ccaaaccagt cagctgggct gatgaaacgg atgacctgga 180
aggagatggt tcgaccactt ggcacagtaa cgatgacgat gtgtataggg cgcctccaat 240
tgaccgttcc atccttccca ctgctccacg ggctgctcgg gaaccaata tcgaccggag 300
ccgtcttccc aaatcgccac cctacactgc ttttctagga aacctaccct atgatgttac 360
agaagagtca attaaggaat tctttcgagg attaaatatc agtgcagtgc gtttaccacg 420
tgaaccacgc aatccagaga ngttgaaagg tttgggtatg ctg 463

<210> 824
<211> 599
<212> DNA
<213> Homo sapiens

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<220>
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<220>
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<220>
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<400> 824

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cgtcttgctg ctgatgactt tagaggcnag tatgagacag atctggccat gcgccantct 120
gtgganaacg acatccatgg gctccgaaag gtcattgatg acaccaatat cacacgactg 180
canctggaga cagagatcga ggntctnang gaggatctgc tcttcatgaa naanaaccac 240
taagaggaan gancaaggcc tacaagccca nattgccanc tctgggntga ccgnggaggt 300
anatgcncce aaatctcang acctcgenna gancatggga gacatcccgg cccaatatga 360
cnagctggct cntaagaacc gagangaagc tagaccagta ctggtcttaa acanattnan 420
ganagcacca cagtggctcan cacacagtct gctgaagttg gaactgctga aacnacgctc 480
acagancctta gacgtacagg ccattccttg gaaatatgaa ctggacttca ttagaaatct 540
gaangccctc ttggaaaaca accttgacgg gaagtggang ncccgnatcg accttacia 599
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<210> 825

<211> 500

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

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<221> misc feature

<222> (494)

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<400> 825

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cttttcccat catcgatgat aggaatcggg agcttgccat cctgttgggc atgctggatc 180
cagccagaga aggatgaaaa gggcatgcct gtgacagctc gtgtggtggt tgtttttggt 240
cctgataaga agctgaagct gtctatcctc taccagcta ccactggcag gactttgatg 300
agatctcagg gtagtccanc tctctccagc tgacanagaa aaagggttgc acccagttga 360
ttggaggntg ggataggtat ggccctccacc ncctgagaga gcaaaaattt tccgnagagn 420
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<210> 826

<211> 511

<212> DNA

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ctttgaggcc aataccaccg tcggccgcat ccgtttccac gactttcttg gagactcatg 180
gggcattctc ttctcccacc ctggggactt taccacagtg tgcaccacag agcttggcag 240
agctgcaaag tggcaccaga atttgncaag aggnatgtta agttgattgc cctttcaata 300
gacagtgttg aggaccatct tgcctggagc aaggatatca atgnntacaa ttgtgagggg 360
ccacagaaag ttaccttttc ccatcatcgt gataggatcg gagttncat cctnttgga 420
ngtnggtcca cagagaaggt gaaagggang cctttnagtc gtgtggngtt tttttggccc 480
gtnagaagtn aagtgtatc ttaccagtac c 511

<210> 827
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<212> DNA
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<223> n equals a,t,g, or c

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<222> (500)
<223> n equals a,t,g, or c

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<222> (517)
<223> n equals a,t,g, or c

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tagtctcgcc tcgggttgca atggacccca actgctcctg tgccgctgag gtgtctcctg 180
cacctngcca gtccgtgcaag tgcaaagagt gcaaatgcac ctccgtgcaag aagagctgct 240
gtccctgctg ccctgtggct gtgccaagtg tgcccagggc tgcatctgca aaggggcatc 300
ggagaagtgc agctgctgcg cctgatgtcg ggacagccct gctcccaagt acaaatagag 360
tgacccgtaa aatccaggat tttttgtttt ttgctacaat cttgaccctt ttgctacatt 420
cctttttttc tgtgaaatat gtgaataata attaaacact tagacttgaa aaaaaaana 480
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<210> 828
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<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
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<223> n equals a,t,g, or c

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<222> (128)
<223> n equals a,t,g, or c

<220>
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actgcencc gacgacctgt ctgcgcgagc gcacgccttg ccgccgcccc gcagaaatgc 180
ttcggttacc cacagtcttt cgccagatga gaccggtgtc cagggtactg gtcctcatc 240
tcaactcgggc ttatgccaaa gatgtaaaat ttggtgcaga tgcccagacc ttaatgcttc 300
aaggtgtaga ccttttagcc gatgctgtgg ccgttacaat ggggccaaag ggaagaacag 360
tgattattga gcagagttgg ggaagtccca aagtaacaag agatggtgtg actgttgcaa 420
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<210> 829
<211> 504
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

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<220>
 <221> misc feature
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<220>
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 <223> n equals a,t,g, or c

<220>
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<400> 829
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 antcgggctt atgccaaana tgtaaaattt ggtgcagatg cccgagcctt aatgcttcaa 180
 ggtgtagacc ttttagccga tgctgtggcc gttacaatgg ggccaaaggg aagaacagtg 240
 attattgagc agagttgggg aagtcceaaa gtaacaaaag atggtgtgac tgttgcaaag 300
 tcaattgact taaaagataa atacaaaaac attggagcta aanttgttca agatgttgcc 360
 antaacacaa ttgaggagct ggggatggca ntaccatgct actgttatgg cacgtctata 420
 gccaaaggaag gtttcgagaa ggtttagcaag gtgctaatacc atgggaatca ggagaggtgt 480
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<210> 830
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 <212> DNA
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<223> n equals a,t,g, or c

<220>
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<222> (15)
<223> n equals a,t,g, or c

<220>
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<222> (30)
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gctgtgtaat cattaaggag cggaggcttt tggagctgct aaaatgccgg attacctcgg 180
tgccgatcag cggaagacca aagaggatga gaaggacgac aagcccatcc gagctctgga 240
tgagggggat attgccttgt tgaaaactta tggtcagagc acttactcta ggcagatcaa 300
gcaagttgaa gatgacattc agcaacttct caagaaaatt aatgagctca ctggtattaa 360
agaatctgac actggccttg cccaccagc actctgggat ttggctgcag ataagcagac 420
actccagagt gaacagcctt tacaggttgc caggtgtaca aagataatca atgctgattc 480
ggaggaccca aaatacatta tcaacgtaaa gcagtttgcc aagtttgtgg tggaccttag 540
tgatcaggtg gcacctactg acattgaaga agggatgaga gt 582

<210> 831
<211> 385
<212> DNA
<213> Homo sapiens

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<221> misc feature
<222> (142)
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<221> misc feature
<222> (274)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (358)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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ctaggtcgtg gcgtcgggct tncggagctt tggcggcact aggggaggat ggccggagtct 180
tcggataagc tctatcgagt cgagtacgcc aagagcgggc gcgcctcttg caagaaatgc 240
agcgagacat cccaaggac tcgtccgga tggncatcat ggtgcatcgc ccatgtttga 300
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<210> 832
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<212> DNA
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<222> (5)
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<222> (162)
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<220>
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<220>
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<220>
<221> misc feature
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<222> (411)
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<222> (435)
<223> n equals a,t,g, or c

<220>
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<222> (438)
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<220>
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<220>
<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (479)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (496)

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<222> (497)

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<400> 832

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aaaacctcat ttggctcgct gaaggatgaa gaccggattt tnaccaacct gtacggccgc 180
catgactgga ggctgaangt tccctgagtc gaggtgactg gtacaagaca aaggagatcc 240
tgctgaaggg gcccgactgg atcctgggcg agatcaagac atcgggttta aggggccgtg 300
gaggcgctgg cttccccaat ggctcaagt ggngnttcat gataaggcct cagatggcag 360
gcccagatat ttggtggttn aacgcaaacg aggggggagc cgggnaactg naagaaccgg 420
gggggtttta ggccnggntc ttaaaaagtt tttgaaggtt nctttgttgg gggnccggn 480
atggggggccc ggttgnttat ttttt                                     505
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<210> 833

<211> 444

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<400> 833

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gccgctcctg gtgctgcttg tgtgctcggt tggcgcgac ctggtacctc ttttgtgaag 120
cggcagctga ggagactccg gcgctcgcca tggccgacga aaagcccaag gaaggagtca 180
agactgagaa caacgatcat attaatatga aggtggcggg gcaggatggt tctgtggtgc 240
agtttaagat taagaggcat acaccactta gtaaactaat gaaagcctat tgtgaacgac 300
agggattgtc aatgaagcag atcagattcc gatttnacgg gcaaccaatc aatgnaacag 360
acacacctgc acagttgggn aatgggagga tgaagatacc aatgatgtgt tccaaacagc 420
agacggggagg tgtctactga aaan                                     444
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<210> 834

<211> 370

<212> DNA

<213> Homo sapiens

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<220>

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<222> (142)

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<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (365)

<223> n equals a,t,g, or c

<400> 834

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accttctggg caaggaggac gcggcgcgcg agattcgccg cttcagcttc tgctgcagcc 120
ccgagcctga ggcgggaagc nnggctgcgg cgggtccggg acccttgca ggcgctgctg 180
agccgggtgg ccgccctgtt cccgcgcgtg cggcctggcg gctttccagg cgcactaccg 240
cgattgagga cggggatttg ttgctttttt ccattgacga ggatttgaca tgggcatgtt 300
ctacgttgaa gatgaatctt tncgatttta natttnaaga gaaaanattt ccggcgggga 360
cacgncaagt                                     370
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<210> 835

<211> 317

<212> DNA

<213> Homo sapiens

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<221> misc feature

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<220>

<221> misc feature

<222> (215)

<223> n equals a,t,g, or c

<220>

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<222> (258)

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<222> (270)

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<220>

<221> misc feature

<222> (301)

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<221> misc feature

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<400> 835
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tggtgcccct gaagagcatc ccacctgct caggaggca ccctgaacc ccaaggccaa 120
ccgggagaaa atgactcaaa ttatgtttga gactttcaat gtccaagcca tgtntttggc 180
tatccaggcg gtgctgtctc tctatgcctc tggangcaca atggaatcgt gctggactct 240
ggagatgggtg tcaccanaa tgtcccaatn tatgagggt atgcttgncc ccatgcaata 300
natgggtctg natttgg 317

<210> 836
<211> 382
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (80)
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<220>
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<222> (85)
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<220>
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<222> (117)
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<220>
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<222> (143)
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<222> (190)
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<220>
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<222> (192)

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<220>

<221> misc feature

<222> (207)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

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<222> (230)

<223> n equals a,t,g, or c

<220>

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<222> (261)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (271)

<223> n equals a,t,g, or c

<220>

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<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

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<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<400> 836

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ggcgacgggtg cgggcttcan agggncctgt ttacaaagga gtctgcaa at gcttctnccg 120
gtccaagggc catggcttca tnnccccagc tgatggcggc cccgacatct tcctgcacat 180
ctttgaatgn gnaaggggga gtatgtacca ntggaaaggcg acgaggtcan ctataaaatg 240
tgcttccatc ccaccaaga ntgagaagct ncaagccgtg ggagttcgtc atcaatcacc 300
tggcaccagg naccaagtat gagacctggg tttggacant ttcacantt tontaggaga 360
ttggttgga gcancccttt tt 382
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<210> 837

<211> 375

<212> DNA

<213> Homo sapiens

<400> 837

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cggagtttct cctcgggggc ggagcaggag gcacgcggag tgtgaggcca cgcattgagcg 60
gacgctaacc ccctccccag ccacaaagag tctacatgtc taggggtctag acatgttcag 120
ctttgtggac ctccggctcc tgctcctctt agcggccacc gccctcctga cgcacggcca 180
agaggaaggc caagtcgagg gccaagacga agacatcccc ccaatcacct gcgtacagaa 240
cggcctcagg taccatgacc gagacgtgtg gaaacccgag ccctgccgga tctgcgtctg 300
cgacaacggc aaggtgttgt gcgatgacgt gatctgtgac gagaccaaga actgccccgg 360
cgccgaagtc cccga 375
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<210> 838

<211> 484

<212> DNA

<213> Homo sapiens

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<220>

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<222> (14)

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<222> (36)
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<220>
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<222> (117)
<223> n equals a,t,g, or c

<220>
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<222> (138)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<222> (267)
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<220>
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<222> (273)
<223> n equals a,t,g, or c

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<220>

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<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<400> 838

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ccgggtcgac ccacgcgtcc ggccagccgt tcacgcgttc ggtcctcctt ggctgantca 120
ccgccctcgc cgccgcanca tggacgcccc cangcaggtg gtcaactttg ggccctgggcc 180
cgccaanctg cgcactcag tgttggttaga gatacaaaaag gaattattag actacaaaagg 240
aattggcatt agtggttcttg aaatgantca cangtcatca gattttgcct agattattan 300
caatacagaa aatcttgtgc gggaattgct aactgttcca gacaactata angtgatttn 360
tctggcangg aagtgggtgc ggccaattca ntgctgtccc ttaancctca ttggcttgaa 420
agcangaaaag tgtgcggact atgtngtgac aggaacttgg tcagctaagg gcgcanaaaa 480
aacc 484
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<210> 839

<211> 473

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (224)

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<220>

<221> misc feature

<222> (237)

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<220>

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<222> (411)

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<222> (446)

<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<400> 839
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ccatgtattc ggctgctggc agagacttgg ggatggaacc gcacagagcc gcgggccctt 120
tgccagctgc gaattttcgc cctgacgttt tcaacggagg tgactatact gggcaattgc 180
tgagagaagat ttgccaatt gttgcttctg aatactcgat tgantgaaag ggttttnaat 240
tcatacgccg ggtagcccc aaatggtaca anttaaacag ncaaaacagt ccattggatg 300
cagcggtttt ccatggagac tgttcttacg gntgacaaag attttttgaa gcaagactaa 360
agntgtatta ggcattccca ttattaaggc ctggattacg ggggggcatt nctgcaatgc 420
tgtcnaaaat ncccgtnntt caagngnttt tttncctac tntgggttac aac 473

<210> 840
<211> 279
<212> DNA
<213> Homo sapiens

<220>
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<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
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<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
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<222> (229)
<223> n equals a,t,g, or c

<220>
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<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (277)
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<400> 840
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tntctacata aaatacaaaa acttagatgg gcatggtgct gtgngcctat agtcccacta 120
cttgtggggc taaggcagga ggatcacttg agccccggag gtcgaggcta cantgcgcca 180
agagtgcact actgtactcc agccagggca aggagagcga gaccctgtnt caaataaata 240
aatnaantta attaaataan taatttaaataaaaagcnaa 279

<210> 841
<211> 234
<212> DNA
<213> Homo sapiens

<220>
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<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (64)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (69)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (70)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (103)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (210)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
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<222> (230)
<223> n equals a,t,g, or c

<400> 841
cgggctgcag agtaaatacag gccgcggtaa natggcacga gcaggctcnc tggttatcgg 60
aggnaaggnn tggcgaaacg gtgtattacc gtttgctacc agnnaagaac gtganganaa 120
gangggcacg aggcctgggtt tttaaggagt gtcgccagag tgcctcgatg anacgggtat 180
tggcgggtata tggagttaaa agatgaccan ctanangact gagctagtan cagg 234

<210> 842
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (383)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (445)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 842

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aaggcggcaa aaagggagcc aagaagaaag tggttgatcc attttctaag aaagattggt 120
atgatgtgaa agcacctgct atgttcaata taagaaatat tggaaagacg ctcgtcacca 180
ggacccaagg aacaaaaatt gcatctgatg gtctcaaggg tcgtgtgttt gaagtgagtc 240
ttgctgattt gcagaatgat gaagttgcat ttagaaaatt caagctgatt actgaagatg 300
ttcagggtaa aaactgcctg actaacttcc atggcatgga tcttaccctg gacaaaatgt 360
gttccatggt caaaaaatgg canacaatga ttgaagctca cgttgatgtc aagactaccg 420
atggttactt gcttcgctgt tctgngntgg ntntactaaa 460
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<210> 843

<211> 597

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (189)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<400> 843

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ccgctctaga actagtggat cccccgggct gcaggaattc ggcacgaggt ccttccgagg 120
aagctaaggc tgcgttgggg tgaggccctc acttcatccg gcgactagca ccgcgtccgg 180
cagcgccanc ctacactcgc ccgcgccatg gcctctgtct ccgagctcgc ctgcacttac 240
tcggccctca ttctgcacga cgatgaggtg acagtcacgg aggataagat caatgccctc 300
```

attaaagcag ccggtgtaaa tgttgagcct ttttggcctg gcttgtttgc aaaggccctg 360
gccaacgtca acattgggag cctcatctgc aatgtagggg ccggtggacc tntccagca 420
gctggtgctg caccagcagg aggtcctgcc ccctccactg ctgctgctcc agctgaggag 480
aagaaagtgg aagcaaagaa agaagaatcc gaggagtctt atgatgacat gggcttttgt 540
ctttttgact aaacctcttt tataacatgt tcaataaaaa gctgaacttt acaaaaa 597

<210> 844

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

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<222> (6)

<223> n equals a,t,g, or c

<220>

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<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

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<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

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<222> (32)
<223> n equals a,t,g, or c

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<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
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<222> (224)
<223> n equals a,t,g, or c

<220>
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<222> (244)
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<220>
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<222> (276)
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<222> (399)
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<222> (402)
<223> n equals a,t,g, or c

<400> 844

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ggnggccgct ctagtacta gtggatcccc cggnctgca gggaattcgg gcacgagcaa 120
gccaaagatgg gtgcnataca agtacatcca ggtagctatg gagaaagaag cagtctgatg 180
tcatgcgctt tcttctgagg gtccgctgct ggcagtagcg ccantctctt gctctccaca 240
gggnctcccc gccccacccg gcctgataaa gcgcgncgac tgggctacaa ggccaagcaa 300
ggttacgtta tatataggat tcgtgttcgc cgtgggtggc gaaaacgcc agttcctaag 360
ggtgcaactt acggcaagcc tgtccatcat ggtgttaanc anctaaagt tgctcgaagc 420
cttcagtcgg ttgcagagga gcgagctgga cgccactgtg gggctctgag agtcctgaat 480
tcttactggg ttggtgaaga tt                                     502

```

<210> 845

<211> 601

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

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<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<400> 845

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gcnganacna accctcacta aagggaaaca aagctggagc tccaccgcgg tgacgaccgc 60
tctagaacta gtggatcccc cgggctgcag gaattcggca gagctttgct tttccatccg 120
cctttgatcg tcttctctt cagccatcca ggtaagccaa gatgggtgca tacaagtaca 180
tccaggagct atggagaaa aagcagtcgt atgtcatgcg ctttcttctg agggctccgt 240
gctggcagta ccgccagctc tctgctctcc acagggctcc ccgccccacc cggcctgata 300
aagcgcgccg actgggctac aaggccaagc aaggttacgt tatatatagg attcgtgttc 360
gccgtggtgg ccgaaaacgc ccagttccta aggggtgcaat tacggcaagc ctgtccatca 420
tggtgttaac agctaaagt tgctcgaagc cttcagtcgg ttgcagagga gcgagctgga 480
cgccactgtg gggctctgag agtcctgaat tcttactggg ttggtgaaga ttccacatac 540
aaattttttg aggttatcct cattgatcca ttccataaag ctatcagaag aaatcctgac 600
a                                     601

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<210> 846

<211> 455

<212> DNA

<213> Homo sapiens

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<222> (5)

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<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

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<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

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<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (181)

<223> n equals a,t,g, or c

<400> 846

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aatntaatt aaantcaccn tcactaangg ancaaagctg gngctccacc gcggtggcgg 60
ccgctctagc actagtggat ccccggggtc tgcaggaatt cggcacgagc gcagnaagcg 120
agatgacgag ggaacgtcat cgtttggaag gcgtcgcaat aagacgcaca ngttgtgccg 180
ncgctgtggc tctaaggcct accaccttca gaagtcgacc tgtggcaaat gtggctaccc 240
tgccaagcgc aagagaaagt ataactggag tgccaaggct aaaagacgaa ataccaccgg 300
aactggtcga atgaggcacc taaaaattgt ataccgcaga ttcaggcatg gattccgtga 360
aggaacaaca cctaaacca agagggcagc tgttgagca tccagttcat cttaagaatg 420
tcaacgggta gtcatgcaat aaatgttctg gtttt 455

```

<210> 847
<211> 428
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<400> 847
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actagtggat ccccggggct gcaggaattc ggcacgaggt cgcggcgaca tggccaaacg 120
taccaagaaa gtccgggatcg tcggtaaata cgggacccgc tatggggcct ccctccggaa 180
aatggtgaag aaaattgaaa tcagccagca cgccaagtac acttgctctt tctgtggcaa 240
aaccaagatg aagagacgag ctgtggggat ctggcactgt ggttcctgca tgaagacagt 300
ggctggcggt gcctggacgt acaataccac ttccgctgtc acggtaaagt ccgccatcag 360
aagactgaag gagttgaaag accagtagac gtcctcttac tctttgagac atcactggcc 420
tataataa 428

<210> 848
<211> 348
<212> DNA
<213> Homo sapiens

<400> 848
tcgcggcgac atggccaaac gtaccaagaa agtcgggatc gtcggtaaata acgggacccg 60
ctatggggcc tccctccgga aaatggtgaa gaaaattgaa atcagccagc acgccaagta 120
cacttgctct ttctgtggca aaaccaagat gaagagacga gctgtgggga tctggcactg 180
tggttcctgc atgaagacag tggctggcgg tgccctggacg tacaatacca cttccgctgt 240
cacggtaaag tccgccatca gaagactgaa ggagttgaaa gaccagtaga cgctcctcta 300
ctctttgaga catcactggc ctataataaa tgggttaatt tatgtaac 348

<210> 849
<211> 365
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (216)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
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<220>
<221> misc feature
<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

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aatacgggac cgcctatggg gcctccctcc ggaaaatggt gaagaaaatt gaaatcagcc 120
agcacgccaa gtacacttgc tctttctgtg gcaaaaccaa gatgaagaga cgagctgtgg 180
ggatctggca ctgtggttcc tgcatgaaga cagtgnntgg cgtgnctgg acgtacaata 240
ccacttccgc tgtcacggtt aaagtcgcc atcagaagan tgaaggagtt gaaagaccat 300
tagacgttcc tntantcttt gggacatcat tggncataa ttaatgggtt aatttttggt 360
naaaa 365

<210> 850
<211> 276
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (36)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (47)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<400> 850
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atcataggaa ctagnctggat cccccagggc tgcaggaatt cggcacgagg ccgaaaggaa 120
agaaggccaa gggaaagccc agctgtcgtg aagaagcagg aggctaagaa agtgggtgaat 180
cccctgtttg aagcctaaga attttggcat tggacaggac atccagccca aaagagactc 240
accgcctttg tgaaatggct atatcaggtt gcagcg 276

<210> 851
<211> 430
<212> DNA
<213> Homo sapiens

<220>
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<222> (70)
<223> n equals a,t,g, or c

<220>
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<222> (94)
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<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<400> 851

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gacgacagan gggggccccc gaagataagg ccgntcgctg acgccgtgtt toctctttcg 120
gccgcgctgg tgaacaggac ccgtcgccat gggccgtgtg atccgtggac agangaaggg 180
cgccgggtct gtgttccgcg cgcacgtgaa gcaccgtaaa ggcgctgcgc gctgcgcgcc 240
gtggatttcg ctgagcggaa cggctacatc aagggtcatcg tcaaggacat catccacgac 300
ccggggccgcg gcncgcccct cgccaagggtg gtcttccggg atccgtancg ttttaagaagc 360
gngncggagc tgttcattgc cgccgagggc attcacacgg gccagtttgt gtattgccgc 420
aaaaaggccc                                     430
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<210> 852

<211> 420

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (81)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (84)
<223> n equals a,t,g, or c

<220>
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<222> (92)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (263)
<223> n equals a,t,g, or c

<220>
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<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
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<222> (289)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (317)
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<220>
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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (411)
<223> n equals a,t,g, or c

<220>
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<222> (418)
<223> n equals a,t,g, or c

<400> 852
gcggacgcgt gtntcgaccc acgcgtccgg ncgagncgcg cggaggcgga ggcttgggtg 60
cggtcaagat tcagcttcac ncgnaagcca cnggcattggc ngaggaaaggc attgctgctg 120
gaggtgtaat ggacgttaat actgctttac aagaggttct gaagactgcc ctcatncacg 180
atggcctagc acgaggaatt cgcgaagctg ccaaagcctt agacaagcgc caagcccatc 240
tttgtgngct tgcattccaac tgngatgagc ctatgtatgn caagntggng gagggccttt 300
gngctgaaca ccaaatnaac ctaattaagg gttgatgaca acaagaaact aggagaatgg 360
gtaggccttt gnaaaaatga cagagagggg aaaccccgna aagnggttgg nttgcagntg 420

<210> 853
<211> 278
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
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<222> (127)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (128)

<223> n equals a,t,g, or c

<400> 853

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ctgtcccagt cggctttacc ctatcgacgc agcgtcccca cttggttgaa gttgacatct 120
gacgannnga aggagcagat ttacaaactg gccaaagaag gccttactcc ttcacagatc 180
ggtgtaaatcc tgagagattc acatggtgtt gcacaagtac gttttgtgac aggcaataaa 240
attttaagaa ttcttaagtc taagggaactt gctcctga 278
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<210> 854

<211> 408

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (104)

<223> n equals a,t,g, or c

<400> 854

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gcggnacgnt ggaccggggt ccttcctgtc gcgttgatat gattggccgg cgaatcgtgg 60
ttctcttttc ctccctggct gtctgaagat agatcgccat cgtnaacgac accgtaacta 120
tccgcactag aaagttcatg accaaccgac tacttcagag gaaacaaatg gtcattgatg 180
tccttcaccc cgggaaggcg acagtgccta agacagaaat tcgggaaaaa ctagccaaaa 240
tgtacaagac cacaccggat gtcattcttg tatttggtgatt cagaactcat tttggtggtg 300
gcaagacaac tggctttggc atgatttatg attccctgga ttatgcaaag aaaaatgaac 360
ccaaacatag acttgcaaga catggcctgt atgagaagaa aaagacct 408
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<210> 855

<211> 424

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (345)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (377)
<223> n equals a,t,g, or c

<220>
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<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<400> 855
gggtcgaccc acgcgtccgc tatgacacca agggctcgctt tgctgtacat cgtattacac 60
ctgaggagggc caagtacaag ttgtgcaaag tgagaaagat ctttgtgggc aaaaaggaa 120
tccctcatct ggtgactcat gatgcccgca ccacccgcta ccccgatccc ctcacaaagg 180
tgaatgatac cattcagatt gatttgagga ctggcaagat tactgatttc atcaagtctg 240
acactggtaa cctgtgtatg gtgactggag gtgctaacta gggaagantg gtgtgatcac 300
caacagagag aggcaccctg ggatcttttg gacgtgggtt cactngaaag atggccaatg 360
ggaacagctt tgccaantcg anttttccaa catttttggt anttgggcaa ggggcaacaa 420
anca 424

<210> 856
<211> 608
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (529)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (537)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (555)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (599)

<223> n equals a,t,g, or c

<400> 856

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gggcatcttt cgggacaatt ggcacaagcg ccgcaaaacc gggggcaaga gaaagcccta 60
ccacaagaag cggaagtatg agttggggcg ccagctgcc aacaccaaga ttggcccccg 120
ccgcatccac acagtccgtg tgcggggagg taacaagaaa taccgtgcc tgaggttgga 180
cgtggggaat ttctcctggg gctcagagtg ttgtactcgt aaaacaagga tcatcgatgt 240
tgtctacaat gcatctaata acgagctggn tcgtaccaag accctggtga agaattgcat 300
cgngetcatc gacagcacac cgtaccgaca gtggtaccna gtcccactat gcgctgcccc 360
tggcccgcaa gaaggagacc aagctgactc ctgaggaaga agagatttta aacaaaaaac 420
gatctaaaaa aattcagaag aaatatgatg aaagggaaaa agaattgcaa aatcaagcaa 480
gtcttctgga ggagcagttt cagcagggca agcttcttgc gtgcatcgnt ttaaggnccg 540
gacagtgtgg ccgancagat ggctatgtgc taaanggcaa agagtggagt ctatcttang 600
aaaacaag                                     608
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<210> 857

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (389)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<400> 857
ggcacgagtg gggccgtctt cctcctcctt cctttttctc ggggctcccg tggagccacc 60
tggacatgag acccgccctc aatgccgaag cctctcggaa gcaatctttc gggacggaag 120
ttaagtagcc ccgagcggga ggctgtggcg gaagtggtcg cgttaccgck tgtttgtgcg 180
catgcgccac tctcgtctgg ccgcgcgct ttcaggaggt gcttttggtt ctctccggtc 240
ttgtccacgc taggggggtgc acgtackccc aactgtggtc gcgctctcac cccttctgct 300
gckctcgtgg cccctcgcg atggcgggca tctgtttga ggatattttc gatgtgaagg 360
atattgancc ggaaggcaag aagtttganc gagtgtctcg ackgcattgt gagagtgaay 420
ttycaagatg gvwbkaaacn aagakgtaaa 450

<210> 858
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
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<220>
<221> misc feature

<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

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<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (456)
<223> n equals a,t,g, or c

<400> 858
gaaaanacnn gaaccannan gaagaatcga aagagctntg ncagncttnc tcaaaaagtc 60
cggaagctg aaagtccccg aatgggtgga tacggtcaag ctggccaagc acaaagagct 120
tgctccctac gatgagaact ggttctacac gcgagctgct tccacagcgc ggcacctgta 180
cctccggggg ggcgctggg ttggtccat gaccaagatc tatgggggac gtcagagaaa 240
cggcgtcatg ccagccact tcagccgtgg ctccaagagt gtggcccgcc gggtcctcca 300
agccctggag gggctgaaaa tgggtgaaaa ggaccaagat ggcggtcgca aactgacacc 360
tcagggacaa agagatctgg acagaatcgc cggacaggtg gcagcttcca acaagaagca 420
ttagaacaaa ccatgctggg gtaataaatt ggctnatto gtaaaaa 467

<210> 859
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (403)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<400> 859

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gggtcgaccc acgcgtccga aaaactgttnn gggagcttga caaaggcatg caggagagaa 60
caggagcagc cacagccagg agggagagcc ttccccaagc aaacaatcca gagcagctgt 120
gcaaacaacg gtgcataaat gaggcctcct ggaccatgaa gctagtcctg agctgcgctcc 180
cggagcccac ggtggtcatg gctgccagag cgctctgcat gctggggctg gtccctggcct 240
tgctgtcctc cagctctgcg agggagttac gtggggcctg tctgccaaac cagtgtgccg 300
tgccagccaa ggacaggggtg gaattgcggc ttacccccat gttcaccccc aaggattgca 360
aaaaccgggg ttgctgcntt tgaattccag gatccnggat ggnontggtg ttttcaagcc 420
cntgccagga agcagaagca c                                     441
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<210> 860

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (369)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (379)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<400> 860
tgggctacct gcattcactg aacatcgttt atagagactt aaaaccagag aatattttgc 60
tagattcaca gggacacatt gtccttactg acttcggact ctgcaaggag aacattgaac 120
acaacagcac aacatccacc ttctgtggca cgccggagta tctcgacact gaggtgcttc 180
ataagcagcc ttatgacagg actgtggact ggtggtgcct gggagctttc ttgtatgaga 240
tgctgtatgg cctgccgcct ttttatagcc gaaacacagc tgaaatgtac gacaacattc 300
tgaacaagcc tctccagctg aaaccaaata ttaccaattc cgcaagacac ctcttggaag 360
ggctcctgna gaaggacang acaaagcggc tcgggggcaa nggtgacttc atggagatta 420
aga 423

<210> 861
<211> 429
<212> DNA
<213> Homo sapiens

<220>
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<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (392)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (403)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<400> 861
ggcacgagct cgtgcgcgtt ggggctgctg ggactcgcgt cggttggcga ctcccggacg 60
taggtagttt gttgggccgg gttctgagge cttgcttctc ttacttttc cactctagge 120
cacgatgccg cagtaccaga cctgggagga gttcagccgc gctgccgaga agctttacct 180
cgctgaccct atgaaggcac gtgtggttct caaatatagg cattctgatg ggaacttgtg 240
tgttaaagta acagatgatt tagtttggtt ggtgtataaa acagaccaag ctcaagatgt 300
aaagaagatt gagaaattcc acagtcaact aatgcgactt attgtagncc aaggagcccn 360
caatttacca tgggaactga gtgaatggtt tnaatgagac ttntcgggta cttagggagt 420
aaaancctt 429

<210> 862

<211> 596

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<220>

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<222> (286)
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<220>
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<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (488)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (492)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (497)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (544)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (545)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (554)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<400> 862
cgcggggcg cncgctctag aactagtgga tcccctgggn ctgcaggaat tcggcanagg 60
naagtctccc agaagacagt gattatcaag gaagaggaag aagatactgc agagaagcca 120
gggaagggaag aggatgtcgt gactccaaaa ccagncaaga gaaagagaga ccaggcagag 180
gaggagccca acagaatacc aagccgcanc ctccgacgga ccaaacttaa ccaagaatca 240
acagccccc aagtgtctctt cacaggagtg gtggatgctc gggganancg ggctgtgctg 300
gcatgggggg aaatctggct gggtcacggc caaagcttcc cacnggttca tggatcgcac 360
ccgcccggaca ttcaattcct gtgtggccct ggggcggggn attccccatt ctgttccngg 420
gatgggtggc atcattcccg tcaagctggc tttcttctta ccccgatga atatgtgggtg 480
aacgaccngg cncaanaga agaatttggc ttacttttca agacgcattg agcaggggcc 540
gganngaagg tgcntanaag ggtatgaatt tatgtgaacc tggatccacc acacca 596

<210> 863
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (361)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (434)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<400> 863

ggcagcttgg cagtgaccaa gaatgatggg cactaccgtg gagatcccaa ctggtttatg 60
aagtatgtgg cccccagga gcttgggtct ccgcatgggg tgggaggtgg cttgttctaa 120
ggagcttgcg agaaggatta ggggaagcag atagccaaga aaggataaag tgaggtctg 180
ggatggggaa taatgggtcc ttaatactcc ttgacctc cctttccacc ctccctgcgt 240
cagtctccct agcctatgag gcaagctaga ttagggaaaa aaagtgcaca ggaaggcaat 300
ggggattggg ctaagacgta acacagggat cagaaaacgg gtggaaaaca cacatttcta 360
ncaagtcttt aaccgggttc ctccccttct taggaaagcg cagagcttaa gangggantt 420
cacagagagc cagnngcagg a 441

<210> 864

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (347)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<400> 864

gacatcacca cggcggcagc catttaaacc cctcaccag ccagcgcccc atoctgtctg 60
tccgaaccca gacacaagtc ttcaactcct cctgcgagcc ctgaggaagc cttctttccc 120
cagacatggc caacaagggt ccttcctatg gcatgagccg cgaagtgcag tccaaaatcg 180
agaagaagta tgacgaggag ctgggaggag cggctgggtg agtgggtcca tagtggcagt 240
gtgggccctg atgtggggcc ggcccagacc gtggggcgct tggggcttcc caggttntgg 300
cttgaagatt ggcgttgatt tntgnagcaa gctgggttgg aacagcntnt tacc 355

<210> 865

<211> 499

<212> DNA

<213> Homo sapiens

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (343)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (395)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (406)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (412)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (435)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (444)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (465)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (469)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (490)
<223> n equals a,t,g, or c

<400> 865
aattcggcac gagactggac caaattagac agagagaatc agatatcacc aaggagagaa 60
ttcagaagat cctggcaact ggtgccaatg ttattctaac cactgggtgga attgatgata 120
tgtgtctgaa gtattttgtg gaggctgggtg ctatggcagt tagaagagtt ttaaaaaggg 180
accttaaacy cattgccaaa gcttctggag caactattct gtcaaccctg gccaatattgg 240
aagggtgaaga aacttttgaa gctgcaatgt tgggacaggc agaagaagtt gtacaggaga 300
gattttgtga tgatgagctg atcttaatcn aaatacctag gngcgacggt ttnatcggtt 360
tttttcgggg ggcaaaattt tcccgtntt ngggnggggg cctttnaaag gncctttttg 420
ggagngnttt tgggnaaatt gggngcccgg gggtttttaa gncntctnt cccaaaattn 480
ccccagggtn ggacctttt 499

<210> 866
<211> 353
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (41)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (42)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
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tggaacagcc tgagcttagc tncgccggg gcttcaccaa gacctacact gttggctgta 120
aggaatgcac agtgtttccc tgtttatcca tcccctgtca aactgcagag tggcactcat 180
tgcttggtgga cggaccagct cctccaaggc tctgaaaagg gcttccagtt cccgtnaacc 240
ttgnctggnc tgacctcggg aagcnagggg ctgtgacacc tggnagtgcc ctgnggtnc 300
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<210> 867
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<212> DNA
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ccgtgggtggc cgacacgggc gacttccacg ccacgcagca gtacaagccc caggatgcta 180
ccaccaaccc gtccctgatc ctggccgcag cacagatgcc cgcttaccag gagctgggtg 240
aggaggcgat tgcctatggc cggaagctgg gcgggtcaca agaggaccag attaaaaatg 300
ctattgntaa actttttgtg ttgtttggag cagaaataact aaagaagatt ccgggccgag 360
tatccacaga atagacgcaa ggctctcctt tgataaagat gcgatgggtg ccagagccag 420
gcggntcatc gagctctaca aggaagctgg gatcagcaag accgaattct tataaagctg 480
tcacaaacct ggggaaggna ttcaggctgg aaangagctc gaaggagcag cacggcatcc 540
actgcaacat gacttaatct tctcct 566

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<212> DNA
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ccggttcgcg tgcccgcct gccaccatga cggaacaggc catctccttc gccaaagact 180
tcttggccgg agnatcgccg ccgccatctc caagacggcc gtggctccga tcgagcgggt 240
caagctgctg ctgcaggctc agcacgccag caagcagatc gccgccgaca agcagtacaa 300
gggcatcgct gactgcattg tccgcacccc aaggagcagg cgtgtgtcct tctggagggg 360
aactttgcaa cgtcatcgct acttcccant caagcctcaa ttcgcttcaa gat 413

<210> 869
<211> 600
<212> DNA
<213> Homo sapiens

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ctgcaacacc ccaacaggcc caggaagtac acgagaagct ccgaggatgg ctgaagtcca 120
acgtctctga tgcggtggct canagcacco gtatcattta tggaggctct gtgactgggg 180
caacctgcaa ggaagctggcc agccagcctg atgtggatgg cttccttggt ggtgggtgctt 240
ccctcaagcc cgaattcggt gacatcatca atgccaaaca atgagcccca tccatcttcc 300
ctacccttcc tgccaagcca gggactaanc agccanaag ccagtaact gccctttccc 360
tgcatatgct tctgatgggt tcatctgctc cttcctgnng cctcatccaa actgtatctt 420
cctttactgg ttatatcttc accctgtaat ggttgggacc aggccaatcc cttctccact 480
tactataatg gttggaacta aacgtcacca aggtggcttc tccttggtctg agagatggaa 540

ggcgtgnngg gattngctcc tgggttcctt aagccctagt ganggcanaa gagaaaccat 600

<210> 870

<211> 497

<212> DNA

<213> Homo sapiens

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 gccctctgtg gacctatcct tccagccctc gaagcccctg agcaagtcca gctcctctcc 120
 cgagctgcag actctncagg acatcctcgg ggaccctggg gacaaggccg acgtgggncg 180
 gntgagccct naggttaagg cccggtcaca gtcaggggcc ctggacgggg aaagtncctgc 240
 ctggtcggtc tcgggcgaag acagtnggga ncagcccagag ggtcccttga cttccaggtn 300
 ccccggttc gcccaagtgg nctccggccc cgtagggttac aacatttncg antnngnccc 360
 atcacgcnag ggcaaganat tagagagggga cgctttaaga gcagagcàca gcttnattca 420
 gagaagttcc aggataaccc anttcgtttc ttgagtttac atcccttttt tggnggataa 480
 aaagcatctt tngccat 497

<210> 871
 <211> 568
 <212> DNA
 <213> Homo sapiens

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<222> (435)
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<222> (484)
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<220>
<221> misc feature
<222> (510)
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<220>
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<222> (533)
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<400> 871
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tctagaacta gtggatcccc cgggctgcag gaattcggca cgagcgaaga tgaaattaac 120
cgccgcacag ctgctgagaa tgagtttgtg gtgctgaaga aggatgtgga tgctgcctac 180
atgagcaagg tggagctgga ggccaaggtg gatgccctga atgatgagat caacttcctc 240
aggaccctca atgagacgga gttgacagag ctgcagtcac agatctccga cacatctgtg 300
gtgctgtcca tggacaacag tcgctccctg gacctggacg gcatcatcgc tgaggtcaag 360
gcacagtatg aggagatggc caaatgcagc cgggctgagg ctgaagcctg gtaccagacc 420
aagtttgaga cctncaggc ccaggctggg aagcatgggg acgacctccg gaatacccgg 480
aatnagattt cagagatgaa ccggggccatn cagaggctgc aggctgagat cgncaacatc 540
aagaaccagc gtgccaagtt ggaggccg 568

<210> 872
<211> 228
<212> DNA
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<222> (72)
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<222> (83)
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<221> misc feature
<222> (188)
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<222> (198)
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ctcgctaacc tngcettacc ccncnctatt aacctactgg gagaactctc tgtggctagt 120
aaccangttc tncgtatcaa atatcactct cctacttaca ggaactcaac atactagtgc 180
acagcccnat actcccnntg acatatttac cacaacacaa ngggggct 228

<210> 873
<211> 433
<212> DNA
<213> Homo sapiens

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<220>
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<222> (327)
<223> n equals a,t,g, or c

<220>
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<222> (363)
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<220>
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<222> (368)
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<222> (422)
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<220>
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<222> (424)
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<400> 873
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taaaagcaac agaacacttg cccctcccaa aatgaaggga gaggagatgg ggcttctctt 120
cctctcccct gagtgggaaa ggagctctgg gggtctgtcc ttcagcacag aggaggggtc 180
actgaaagcg ttattgacca gctgctgtac cttctgcac tccactccacg ctccactgcct 240
ttttctcttc cttgcattgg ctccctgtgcc tgtgccggct cctgcaaattg caaagatgca 300
aatgcacntc cttgcaanaa gagtgantgc aggcctttcc tgcgaatntg ggggatgggc 360
canttaanca ggaaccagac ttgcagcagg gcaggcatga cagtttccca aacctcttta 420
anangattca att 433

<210> 874
<211> 84
<212> DNA
<213> Homo sapiens

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<222> (75)
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<400> 874
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tcggcccccac atntntcatc acca 84

<210> 875
<211> 507
<212> DNA
<213> Homo sapiens

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<222> (497)
<223> n equals a,t,g, or c

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<222> (500)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (503)
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ggaagaggat ggagatgaag atgaggaagc tgagtncagt tacggggcaa gcgggcagct 180
gaagatgatg aggatgacga tgcgataacc aagaagcaga agaccgacga ggatgactta 240
gacagcaaaa aaggaaaatt taaacttaaa aaaaaaaagg ccnccgtgac ctttttacc 300
tccatttccc ttttcagatt ttaaactgtg tcacctttcn gttagaaggg cccccccnnc 360
cancnttggg aattccentt tccnnnttt nncaggggtt ttttcannnn cccnnncccn 420
aaccttgggn tttttnaana gggngggna aaannnccca atttttnngg nccntttttt 480
tttttnaaan ntttttnnan ggntttt 507

<210> 876

<211> 190

<212> DNA

<213> Homo sapiens

<220>

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<222> (24)

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<220>

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<222> (37)

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aaattgaaac ctggcgcaat agatatagta ccgcaaggaa agatgaaaaa ttataaccaa 120
gcataatata gcaaggacta acccctatac cttctgcata atgaattaac tagaaataac 180
ttttgcaagg 190

<210> 877

<211> 315

<212> DNA

<213> Homo sapiens

<220>

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<222> (270)

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ggttttgggg gttgttctcg gtttgcagga accctggtaa ttagtcttgc ccccttctc 180
ccagctcact cgcctgggct tgcacagtac attggaacgt gcgggttcta ttttgtattc 240
gacgtgcccg atcgaaatag agctcgcggn actgcgaaga ccacagtagg aagttaagga 300
cggggtcagt gctga 315

<210> 878

<211> 295

<212> DNA
<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (165)

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<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

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<220>
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<222> (192)
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<223> n equals a,t,g, or c

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<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
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<222> (225)
<223> n equals a,t,g, or c

<220>
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<222> (256)
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<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
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<222> (268)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (275)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (293)
<223> n equals a,t,g, or c

<400> 878
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cncctcccnnng ccaaaaagat tnnctaatac tgcttgtagc agccagagaa agatccaaaa 120
cactacncag cncctctngca cngaggaaat ntttccccc acatngactc cnggcctaca 180
tcagccaaac nnaaccnngg tgggggtttgg atttgatagc caatnagttc tgtgctggtt 240

gcaaagaatt gatatnttag atggnttnta atacntcagc agatttgtct ttncg 295

<210> 879

<211> 441

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (430)

<223> n equals a,t,g, or c

<400> 879

ctgaggttta cagttagaaa atgttctcaa aggtttatca gttatgtatt gatgattggt 60
aatctagacc ctctggaggc tgtagaatgt gaaaagatac agctgagctg acaagtttta 120
gggcaactatc ttctggaatg aaatcggcca agaaaatggt tcaagggcat ggggggtaga 180
gaatgtttct ttacctaata aatgttaagc caactatgga agattggggg cgtgggggca 240
tgaaatacaa aattatgata atttatacag aactaggttt ctttatgttc tgcaagaagg 300
tttttattag ctaatttggg gaggggggcc atgctgcagt attttttttc ctggggaaca 360
tgccatttct gatggggaag ttattttggt tacaagagtt ggtttaccac acaaccctga 420
atgaatgtgn caatggccta a 441

<210> 880

<211> 112

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (106)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>
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<222> (111)
<223> n equals a,t,g, or c

<400> 880
ggcanagcgg cattggggagg ggcgctctga gattaaagag ttttacctct gaaaaaaaaa 60
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaaa aaaannaana na 112

<210> 881
<211> 162
<212> DNA
<213> Homo sapiens

<220>
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<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (23)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
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<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<220>
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<222> (136)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 881
ggcagaccna acatagattht aantaaatac attancgggg gtaaaaatga aaatcntaac 60
ccaagacatg aacatttttta gctgtaactt aactattaag gccttttccc acacgentta 120
atagtcccat tttctntttg gncattngtg gctntgcccc at 162

<210> 882
<211> 117
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (113)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (117)
<223> n equals a,t,g, or c

<400> 882
ggcanagggn aaaaccccg cttactaaa aatacaaaaa aaaaaaaaaa aaaaaaaaaa 60
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa naaaaaaaaa aaanaaaaana aanaaan 117

<210> 883
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (374)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (440)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<400> 883
gnccaatnta tcaatcacgc actgcactca tcagggcaaa cctgggtacg cctgncaggt 60
caccggtncg ggnaattccc gggtcgaccc acgcgtccgc ccacgcgtcc gcccacgcgt 120
ccgcccacgc gtccgctcgt gccatgatct gtatttaatg gtttttattt ctccgggtgca 180
tttgagagaa gccacgcgtgt cctctcgagc ccagatggaa agacgttttt gtgctgtggg 240
cagcancctc ccccgccagcg gggttagggg agaaaactat cctgcggggt ttaatttatt 300
tcattccagtt tggtctccgg gtgtggcctc agccctcaga acaatccgat tcacgtaggg 360
aaatgtttaa ggantttctgc agctatgngc aatgtggcat gggggggcgg gcagtcctgc 420
ccatgtgttc cctcatctgn tcagccancg nc 452

<210> 884
<211> 340
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (90)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (251)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (282)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<400> 884
aattcggcac aggtgaatcg cagcttctga gaccagggtt gctccgtccg tgctccgcct 60
cgccatgact tcctacagct atcgccagtn gtcggncacg tcgtccttcg gaggcctggg 120
cggcggctcc gtggcggttt gggcggggg tcgccttttc cgcgccagc attcacgggg 180
gctccggcgg ccgcggcgta tccgtntcct ccgcgccgtt tgtgtcctcg tcctcctcgg 240
gggcctacgg nggtggntaa ggngggggtc ctgaaccgcn tncnaacggg gtgctgggcg 300
ggcaacgagg aagcttaaac catgcagaac ctnaacgacc 340

<210> 885
<211> 52
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<400> 885
gncctatagt gategnatt acaattcact ggccgctcgtt ttacaaccnc gt 52

<210> 886
<211> 303
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (100)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (118)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (119)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (120)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (193)
<223> n equals a,t,g, or c

<400> 886

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gacctgcaga gccctgctgc gcagangtgc tgttttccag ccccccacaa atgcattctt 60
caggtgcgtg tctgaagatc ttggttttgc tgtgcttgan acacagctga tgctttannn 120
gctcagggttt actggcttta taacagtngg cataacgcct aaagcatccc ctctgcacgt 180
gactgagcat gtncttaacc agaggagctg aacggagtgc agaaaatagt agttttaggg 240
cttagtgagc agaggaagca gcttctctgg tgctttatatt aatagaacat ttaagagtgc 300
tca 303
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<210> 887

<211> 649

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (201)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (206)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (438)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (448)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (509)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (510)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (513)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (575)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (582)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (586)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (621)
<223> n equals a,t,g, or c

<400> 887
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aggccctcgc gtcttgctga gcccggggag ttaggatgac gcgagcggtg agggagcccg 120
gaacgattcc ttcgcggaac aattgaggcg aagcctttgg gactactttg tgggacggac 180
cctggcgggc cctgccanac ncacanggat ggcggcggaa gcggccgatt tggggctggg 240
ggcgcgcgtc cccgtggaac tnaagcggga gcgacgcgtg gtgtgcgtgg agtaccggg 300
aattggtgcg tgatgtggct aaaatgctgc ccactctggg cggggaaaga aaggggtctc 360
cccgatctt acccagaanc ccccnagaa agcttgggan cttgtttctt cccggggccc 420
aaggaaccca ttacttgncc cccccgntg tttgggcccc aaccgcctt ccantacca 480
ancaancctt gcttgcttcc ccctttccnn ggnaaaaaaa aaaacaaaag ggggggggaa 540
aaaaaagggg ttntcttggg ggccctttaa aaggnccccc tncctnaagg tcccccttt 600
tgaaaattgg gaaaaatcct ntgggggttc cttcttcccc ccccttttt 649

<210> 888
<211> 72
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (68)

<223> n equals a,t,g, or c

<400> 888

gccctatagt gattcggtatt acaattcact ggccgctcgtt ttacaacgtc gtnatgtggn 60
aaaccnnnta at 72

<210> 889

<211> 238

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (65)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (95)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (132)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (134)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (135)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (151)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (183)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<400> 889
ggcanagttt ttttttttaa anaaggngaa aacacatgna atttnatttt tntttaacct 60
taagnttgcc aacttcttnc cctgaacagc atttntcttg ttttgatacc cacctacact 120
tatattagaa angnncgtgca aactatttag ngactccnct ttnaattnat ggncgtatgc 180
ctnaagaatg ttttgaaata taaagcctat cccgtttgcc cagnttgtaa atttcagg 238

<210> 890
<211> 225
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (123)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (204)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<400> 890
accacgcag tccgcgcgtc ctccatcacg tgtctgttct ctggggaggc agtaaggggc 60
cgtggagctg gcctcggcct cggcatcggg agaggctgga cttoctgtct ctctgtgctg 120
aanggctgcg atggcgcccg ctctcactga cgcagcagct gaagcacacc atatccggtt 180
caaantggct ccccatcct ctancttgtc ccctggncag tgnng 225

<210> 891
 <211> 130
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (87)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (90)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (96)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (103)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (129)
 <223> n equals a,t,g, or c

<400> 891
 ggcacgagcg gcacgagggg gggcccggtg cccaattcgc cctatagtga gtcgtattac 60
 aattcactgg ccgtcgtttt acaactncgn gatganggaa atntaaaata cttccgagct 120
 cgtatgttnt 130

<210> 892
 <211> 421
 <212> DNA
 <213> Homo sapiens

<400> 892
 gcaactgaaga acattactga gggggctaac cttggggact ccaatttgcc aatgatgagg 60
 gaacatttga aagaactgca aattgtcctt gccagctctt gggatccttg gatacctggg 120
 gccattttaag aagctagggg aattaggcca caacaccccc tgggacatcc gaaagctaca 180
 ccacagatgc cagtgggttca tgccttcttc ccgcaacttt aggaaaattt atttatttat 240
 tgtttattag ttatgggggg agaggggaga tttaaaggac cagggacatg ggaaccaagc 300
 cataggggatc agagggggctt gtccttgaac actactgggg tatattcagg ctcatccacg 360
 cagctgctgg gttcttgccc taacggccct cccctgcaac atccgtcttg gaggagaggg 420
 t 421

<210> 893

<211> 307
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (228)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (264)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (289)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (305)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<400> 893
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gtaaagtggg gatggggtaa aagtgggttaa cgtcactgtt ggatcaacaa ataaagggtta 120
cagttttgta agagaagtga tttgaatata tttttctgga actattcata atatgaagtt 180
ttcctagaac cactggagtt tctagtttaa tagtttgcta tgcaatgnac cacctaaaac 240
aatactttat attgttattt ttcnгааага ctcaaaacac ctgtaattnt aaaccttaat 300
atganan 307

<210> 894
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (76)
<223> n equals a,t,g, or c

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<222> (129)
<223> n equals a,t,g, or c

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<222> (403)
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<220>
<221> misc feature
<222> (404)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (405)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 894
gcggnacgcg tgggtggnac ccacgcgtcc gtgcacccac gcgtccgcga cctgggcaat 60
tatcccaaca aattanactc ccctctgtca tgtcaatatt ggaattgtag ctacacaggtg 120
tttgcttana tcagtcattc agagaggaag aatgatagag aaaacttgtg ctctgacact 180
actgattctt acatagtgga acaatatctt tcttgataat gaattgtagt tattataaat 240
cggatgatcac gtgaccctaa aggcacccaa ataaatcttt agtaaaataa ttctgatgac 300
acaatgaatg aattattttt aaggcatttt cttggactag caatgtattc ttagagtggc 360
gactgaatgt gcatacctca atgatccatg ttttactcat tcnnnggtcc ccaggccacc 420
cagggcaacc aggcctcct ggacctcctg ggn 453

<210> 895
<211> 596
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
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<222> (283)
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tctgcataat gaattaacta gaaataactt tgcaaggaga gccaaagcta agacccccga 180
aaccagacga gctacctaaag aacagctaaa agagcacacc cgtctatgta gcaaaatagt 240
gggaagattt ataggtagag gcgacaaacc taccgagcct ggngatagct ggtgccaaga 300

tagaatctta gntcaacttt aaatttgccc acagaaccct ctaaatcccc ttggaaattt 360
aactggtagt ccaaagagga acagctcttt ggacactagg aaaaaacctt ggagagagag 420
taaaaaattt aacacccata gtaggcctaa aagcagnac caattaagaa agcgntcaag 480
ctcaacaccc actacctaaa aaatcccaaa catataactg aactnctnac acccaantgg 540
accaatctat canctatag aagagctaan ggtaggataa ggaacatgaa aacatt 596

<210> 896

<211> 351

<212> DNA

<213> Homo sapiens

<220>

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gcacaagttt cagcgagaga aggagaaaac tgccttggtt ggaaccttgc agtgcaggga 120
aaggggtgtg gcggcctttg ctggggaaat ggcggaacgac aagtggggcg gaggaggcct 180
gcntccggaa agtcagtaga attcatcaca agagagctac aagagcctgg aagaagctga 240
agacttgcta cctccatcc ttacttcacc ctgggacctg aggagacctc ttcaatcaga 300
aatggaaaca gagagattct cctgggaaac ccctgcccc taaacggccc t 351

<210> 897

<211> 72

<212> DNA

<213> Homo sapiens

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<220>

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<222> (59)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (68)

<223> n equals a,t,g, or c

<400> 897

ggcanaggna gagagagaga gagaactagt ctcggtgtttt tttttttttt ttttgggna 60
aaaatttnat tt 72

<210> 898

<211> 383

<212> DNA

<213> Homo sapiens

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<222> (176)

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<220>
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cacgaggcaa ccgtccgga acgccangtg gggcgaggg gtctcgagt ctgagagaca 120
ccaaggcccc tgcgacaagg tggctgcagc taggcgggg gcgtcaggac gacggnagcg 180
ggttcgggtc ggtgacacgc agacctgagg gagctggggc cgcntnttcc gcccgcgccc 240
cagcccttgc agatcgagat ttgcgtccta nnatggggaa aaaagcagag gccagggcgc 300
cgattttatt tggagagaag caagcttctt tgnctcttt tgggattagg aaatttcana 360
cntggnaaaa atggtgtgtg gtt 383

<210> 899
<211> 172
<212> DNA
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<222> (143)
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<220>

<221> misc feature
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ccaactgctc ttgcgccact ggtggctcct gcacgtncgc cggctcctgc aattncaaag 120
agtgc aaatg nacctcctgc aanaagagct gctgttcttg ntgccccgtg ga 172

<210> 900
<211> 101
<212> DNA
<213> Homo sapiens

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<220>
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<223> n equals a,t,g, or c

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<223> n equals a,t,g, or c

<220>
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<222> (99)
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ctccttcacg aaaccgactc ggctgtggnc accgcgcgnc g 101

<210> 901
<211> 358
<212> DNA
<213> Homo sapiens

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<222> (36)

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<222> (97)

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<220>

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<222> (348)

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<222> (349)

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<220>

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<222> (358)

<223> n equals a,t,g, or c

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gctagctgcc cctttcccg cctgggcacc ccgagnttcc cccgaccccg ggtcccaggt 120
atgctccac ctccacctgc cccactcacc acctctgcct agttccagac acctccacgc 180
ccacctgggc ctctcccatc gccacaaaaa gggggggcac gagggaaacga gcttagctga 240
gctgggagga gcagggtgag ggtgggcgac ccaggattcc ccctcccttc ccaattaaag 300
atgagggtat taaattgtct tggtttttaa ttantatta ntttttnnt ttttccan 358

<210> 902

<211> 423

<212> DNA

<213> Homo sapiens

<220>

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<220>
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<222> (420)
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aagtgccttc gttgctttcc aaggaaacaa agagtcaaac tgtggacttg attttggttag 180
cttttttcag aatttatctt tcattcagtt cccttccatt atcattttact tttacttaga 240
agtatccaag gaagtctttt aactttaatt tccatttctt cctaaaggga gagtgagtga 300
tatgtacagt gttttggaga tgtatacata tattccagaa ctnggggggaa tcttattaag 360
ttatggatat accaccgtaa cggtcnaaaa ngtttaaaga acccatncgg taaggtaatn 420
ggg 423

<210> 903
<211> 362
<212> DNA
<213> Homo sapiens

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<222> (305)
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<220>
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agtnagggct gagtgggtat caccttctcg gtgagaaaat caatttcctg agagtnttgt 120
aaactaggac ttagagtact aatcatggtg tttttcagaa attatatata ttttttnaag 180
tcagggtctc accgtgtcgc ccaggctgga ggcagagggt gtggctcgtg ccgaattcga 240
tatcaagctt atcgataaccg tcgacctcga ggngggggcc cggtagccaa ttcgccctat 300
tagtnagtng gtattacaat tcactgggcc gtcgttttta aaacgggggt nactggggaa 360
ac 362

<210> 904
<211> 309
<212> DNA
<213> Homo sapiens

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ggcgggtccgg ctctcgatgg tggcgtgacg ggggcggggg tggcggn gcg ttctcctcgg 120
ttgggaagga accagcccg cgaacccaggn cgggaagggg gntcggcctn ngggggaang 180
gactgacatg tctctcgaag accccttttt tgtagtccga ggcgaggtgc agaaagcggt 240
gaacacgggn ccgcgggctg taccagngct ggtgcganct cctgcaagaa ancnccggcgt 300
tcggaacgc 309

<210> 905
<211> 388

<212> DNA
<213> Homo sapiens

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<400> 905

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nnctgnaccc aggagcagct gcaccacttg naaagtcgcc tcactctccta agcactcctt 120
tcccctgnng tccccttcga accctgaagc cctctggtgc gcgctctgcc cgatgcacag 180
ccacctaaagc naggccccag gttagaaacg tgggttaaag ctcttgccctg ccccggtaaa 240
gcttcactcc naccctttta agcgtccctgc cccttcacct tgaaccgggg ttccccatt 300
ccanttcctg ggctttgnca tgatttggtt ggttcaatgg ttccttcttt cctgaggggg 360
cttnaggggtt ttggnggggg ntaagggtt 388
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<210> 906

<211> 349

<212> DNA

<213> Homo sapiens

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aaggcggcgtt ctgattttaa gggatatttt agaattcatt cctgaatgan gggttcagac 180
accagtcctc ctcggaacag gggtgagggg tcgactganc tttgttgaga agcctccagt 240
taaggcttcg ggcggtctc catgttgat tgtgtgttta ctgagcttcc cactggttag 300
aagatgacac atttgnccat cgtcctgtgt atctganatt cccagggga 349

<210> 907
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<212> DNA
<213> Homo sapiens

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<222> (460)
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<222> (462)
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<220>
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<222> (465)
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<400> 907
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cgatagaaat tgaaacctgg cgcaatagat atagtaccgc angggaaaga tgaaaaatta 120
taaccaagca taatatanka nggactaacc cctatacctt ntgcataatg aattaactag 180
anataactnt gcaaggagag ncaagctaa gaccncgaa accagacgag ctacctaaga 240
acagntaaaa gagcacaccc gtatatgtag caaaatagng ggaagattta tnggtagagg 300
cnacanacct accgagcctg gngatatgct ngntgtccaa gataagaatc ntaggttaac 360
ttttaaatgt ggccacagaa ccccttttaaa tcccnttgga aatttaactg gtaagcccaa 420
agaggaacaa gtttttttga cactngggaa aaaaccttgn anaanagag 469

<210> 908
<211> 95
<212> DNA
<213> Homo sapiens

<220>
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<400> 908
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aaaaaaaaaa aaaaaaannn nggggggggc ccngt 95

<210> 909
<211> 373
<212> DNA
<213> Homo sapiens

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<400> 909

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tttcctgcc aagtgccan agatcaactt ggaaaacaaa atcctcacag agggagagta 120
aagaacactt gattagtctc attagcacct gtagctactt ttctaaagtt aattcctgaa 180
ggcccttgaa agcttcaacta tgagattgaa tttgcacat tncncaatg gtctttgcaa 240
tgagggatgg gggatagtgt gatggtcctt nccaaccatc cctggaagaa gaagccaaaa 300
aactttttcc cgaaaggagt tctttcacen aagnagntcc catctgggca ggaaattacc 360
tccgggnaac ana 373
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<210> 910

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (516)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (624)

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<220>

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<222> (627)

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<221> misc feature

<222> (691)

<223> n equals a,t,g, or c

<400> 910

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tggTTTTgtt ttcaatTTTT attcactctt catagaatca caattacctt tatatatcat 180
atgttatttg aagagattcc tcagtaatct ccaatctctc atagtgcctc acaggggttg 240
tcaatggctt ttggaactgg aaggacctta gaacttatct gttatgctcc tgatagccaa 300
tagcagatag aagcttgcaa tcaagagggg aggacatgtg ttcttcaatg gatatcaaag 360
gaagaggttg caaaccaaag ccatttggca agccctgtag cctggggccat ttaagacagg 420
ggcggctcga gccaaattgc acccatttaa ctatcccaa gagccacaag tgcctacaac 480
ccaggcccta agttgatgaa gaaaaagtca aggaangagg tgatcaattg gaaatattcc 540
catcaaattg gtaaacctat ttagaaaatg ggcatattag aaaaagcctt ccaagatgat 600
tttgataat aaaagtggat ttgnggnaat gggaataact ctggttaagc cctacattat 660
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<211> 564

<212> DNA

<213> Homo sapiens

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 gtgaatcccg cctccctctc cagccagaac tgtggactcg tcccggggag gggcggtggg 180
 tggggcgggg ctggcgggaa atttcgggtt tggcgcgctc cctgcggcga cgctccatcg 240
 tgcgctctcc tcttcccccg gtggtctcct cgctcgccct ctggctctgc atgccctgct 300
 ctgaagagac acccgccatt tcacccagta agcgggcncg gntgcggaag tgggcggcat 360
 gcagnnccgn tttgcncggt ttctgagcaa gccaaaggccc caacgggggt ngggcgcgcg 420
 ggggttaaga ctgtaaaatg gctangatta aacataccac tatggagaaa ttttntgaaa 480
 nggaattcaa aanngtcctt ttgngtaat gaaaatggtc aagtnaggtt ggtgaaaaat 540
 ttttgattag actgggtaaa atga 564

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 gagtaccac tggacctcca aggaagccac gtgcagacat ctacaacctt cgatctcctg 180
 acgagtttat tggtggccaa aaccaggctt tgattgaacc aggatgaatg cgggtgttgg 240
 aagtagaata tatatatata tataaaattg gttgggagcc acgtgtacca gtgtgtgttg 300
 atcttggctt gattcagtct gccttgaac agaactggcg atggaatatg agaggagccn 360
 ctggaaagaa aaggacagan ccnntgcttt catgnaagtg agatctgg 408

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ctaaatcctc gctggaggng ntggcttctt atgcgggagg acgtggcgga gggcctgact 180
ttgggagccg ggggttgact ggattggtga ggcccggtgt gctacttctg tggaagcagt 240
gctgtnagtt actggaagat aaaagggaaa gcaagccctt ggtgggggaa atatggctgc 300
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cacaactttg cgcgcgtggc cgnccgcccgc tactaccgca gtcagcagca gcagcagcag 180
cagggccttg cgcgcgcgcg gcagcgccgg cgcgcgccag cgcgaccctc cccgcggggg 240
ccgcccgcacc tccctcgccg cccttcagct tccanctgcc gcgcgggcct tgtccganc 300
gcccggtgtt ngangcggcc cccaagcncc ccgggattcg ctgttcggaa cgggaaagta 360
acttaaancg gggtcct 377

<210> 915
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<212> DNA
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gacaacgccc gntggctgc agatgaactt ccgaaccaag taagtntctc tntcctgggg 180
gctgcagaag ccaggactgg ggtaggggtt ggggggttta ggaatntgcc ctcacctagc 240
ctagatggcc tgaagctaaa cccccctatg gactcctgaa ctctggggag gtagggaagt 300
cttcagagat gctgaggaag ctctgcctgg ctgcaactat tttccttgaa aggtttgaga 360
cggaacaggt ttgcgcatga gcgtggtagg ccgacatcaa cggctgngca ggtgctggat 420

gagctgacct ngccagaccg acctggagat gcaatcgaag gcctaaggag agttggctac 480
tnaagaggac cttagagtgg nttaagttg 509

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<212> DNA
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tnacaacgta acacaangct tactttatagc acccaacaaa antgtctctg tgganccact 120
tcccagtgaa ctaca 135

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anctctgggc cccggggctt cagcagccgn tcctacacga gtgggnccgg ttcccgcata 180
agtcctcga gnttctcccg agtgggnagc agcaactttc gcggtggnc 230

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tctcctgctc ctagagggtg agaacaaaaa catgcacctg gagtttcccc ggagccctct 120
gcgtgggtga gcttcgggtg aatttcgggg ctcttggtcg ccagcgcgct tgcctggtag 180
caacagaaac cagtcctgct cgcctccgtg gacatttcat taccatccag aagtgtctcc 240

caactgaaggc atccgtgggtt gtttttaagc cacaaaaaag ccacancaa gatcacntga 300
caaccaccct gacaagtgtt ccatgatgtt gggncngag ggaggtgaag gtttttgtgg 360
tcaagttcct tggnotgcc tgncccggt tttttgagga cgtgcanaan ttcccttttg 420
actgaangnt tcaagttggg gcccgaaggt tccatttaat nacattgggg gggcaagcaa 480
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<210> 919

<211> 238

<212> DNA

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agagtagtcc tgggaagatg ggctctctng aagnagccac ggggacagca tcntgcagat 120
ggctctggcc ctntccccac cgacctgtct acaagnactg tgctctgtgg accctccnnt 180
ctggcacagg aagctggacc ctaaagtccc ttgtncacc ggccaggaan tggtagcc 238

<210> 920
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<212> DNA
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<223> n equals a,t,g, or c

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<222> (382)
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<222> (385)
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<400> 920
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gatttgacaa gatcaaagct gcaggaaaat ggacagttag gttcagagag atggaaggat 180
cttggtattg attgatgatg cttggcgaga agacaagctg ccttatgagg atgtcgcaat 240
accactgaat gagcttcctg ancctganca agacaatggg ggcaccacag atctgtcaaa 300
gancaagaaa tgaagtggac agacttagcc ttacagtacc tccatgagaa tggtcccccc 360
attggaaact gacgtttggc tncntctctg tggatggatt ttctcaaagt acacagataa 420
agcatgggtg tttcagtcgt cc 442

<210> 921
<211> 444
<212> DNA
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gtgttagcaa tcagcgagac tccgtgggca taggaacctc cgagccaggt gcgggatgta 120
atctcgtggt gcaccgtttt ttaagccagt ccgaaaagcg caatattcgg gtgggagtga 180
cccaattttc caggtgcgtc cgtcaccctt ttctttgact cggaaaggga actccctgac 240
cccttgcgct tcccaagtga ggcaatgctc tccctgcttc ggctcgcaca cggtgcgcgc 300
anccactgac ctgtgcccac tgtctggcac tccctagttg agatgaaccg gtacctcaga 360
tggaaatgca gaaatcancc gtcttctgcy tcaactcatgc tggagctgta gaccggagct 420
gttcctaata cggcatttgn tcct 444

<210> 922

<211> 394
<212> DNA
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<220>
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<220>
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<222> (388)
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<400> 922
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cccgcgcgcc ccaggcccgc cccgggcggc gcgacgggag gatgagcggc gggcggcgga 180
aggaggagcc gcctcagccg cagctggcca acggggccct caaagtctcc gtctggagta 240
agggtgctgcg gacgacgcgc cctggganga taagataatt ttaagngtga ctantggttc 300
cgacaatat ctgtgtcntg gtgtcaattt gggatatttc ataacaggtt cttggaatac 360

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394

<210> 923

<211> 352

<212> DNA

<213> Homo sapiens

<220>

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<222> (331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

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<222> (348)

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<222> (351)

<223> n equals a,t,g, or c

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actggcttca atctacttct cccgcccgcg ggaaaaaagg cgggagaagc cccggcaggt 180
ttgaagctgc ttcttcgaat ttgcaattca atatgaaaat cacctcggag ctggtaaaaa 240
gaggcctaac cccgtgtctt agatttacag tccaatgctt cactcagcca ttttacctca 300
cccccaaaaa aaaaaaaaaa aaaaaaaacc ncgggggggg ncccggnncc na 352

<210> 924

<211> 436

<212> DNA

<213> Homo sapiens

<220>

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<222> (368)

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<220>
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aaccaagcat aatatagcaa ggactaaccct ctataccttc tgcataatga attaactaga 180
aataactttg caaggagagc caaagctaag acccccgaaa ccagacgagc tacctaagaa 240
cagctaaaag agcacacccg tctatgtagc aaaatagtgg gaagatttat aggtagaggc 300
gacaaacctt ccgagcctgg tgatagctgg ttgtccaaga tagaatctta gttcaacttt 360
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gacagctctt tgnngnn 436

<210> 925
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<212> DNA
<213> Homo sapiens

<400> 925
cccaaaccct ctccacctta ctaccagaca accttagcca aaccatttac ccaaataaag 60
tataggcgat agaaattgaa acctggcgca atagatatag taccgcaagg gaaagatgaa 120
aaattataac caagcataat atagcaagga ctaaccctta taccttctgc ataataaatt 180
aactagaaat aactttgcaa ggagagccaa agctaagacc cccgaaacca gacgagctac 240
ctaagaacag ctaaaagagc acaccctgtc atgtagcaaa atagtgggaa gatttatagg 300
tagaggcgac aaacctaccg agcctggtga tagctggttg tccaagatag aatcttttagt 360
tcaactttta atttgcccac agaaccctta aatcccttgg taaatttaac tggtaagtcc 420
caaggaggac agtcttttg 439

<210> 926
<211> 183
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (179)
<223> n equals a,t,g, or c

<400> 926
caatctatca ccctatagaa gaactaatgt tagtataagt aacatgaaaa cattctcctc 60

cgcataagcc tgcgtcagat taaaacactg aactgacaat taacagccca atatctacaa 120
tcaaccaaca agtcattatt accctcactg tcaacccaac aaaaaaaaaa aaaaaaana 180
aaa 183

<210> 927

<211> 432

<212> DNA

<213> Homo sapiens

<400> 927

cggaagtggg ggaaagatgg aggaccatca gcacgtgccc atcgacatcc agaccagcaa 60
gctgctcgat tggctggtgg acagaaggca ctgcagcctg aaatggcaga gtctggtgct 120
gacgatccgc gagaagatca atgctgccat ccaggacatg ccagagagcg aagagatcgc 180
ccagctgctg tctgggtcct acattcacta ctttcaactgc ctaagaatcc tggaccttct 240
caaaggcaca gaggcctcca cgaagaatat ttttggccga tactcttcac agcggatgaa 300
ggattggcag gagattatag ctctgtatga gaaggacaac acctacttag tggaactctc 360
tagcctcctg gttcggaatg tcaactatga gatccctca ctgaagaagc agattgccaa 420
gtgccagcag ct 432

<210> 928

<211> 439

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (415)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<400> 928

agacaacctt agccaaacca tttacccaaa taaagtatag gcgatagaaa ttgaaacctg 60
gcgcaataga tatagtaccg caaggnaaag atgaaaaatt ataaccaagc ataatatagc 120
aaggactaac ccctatacct tctgcataat gaattaacta gaaataactt tgcaaggaga 180
gccaaagcta agacccccga aaccagacga gctacctaag aacagctaaa agagcacacc 240
cgtctatgta gcaaaatagt gggaagattt ataggtagag gcgacaaacc taccgagcct 300
ggtgatagct ggttgtccaa gatagtatct tagttcaact ttaaatttgc ccacagaacc 360

ctctaaatcc ccttgtaaat ttaactgtta gtcccaagag ggacagctct ttngnacta 420
gggaaaaacc ttgtagggn 439

<210> 929
<211> 433
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (417)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<400> 929
ctgcattcag cattttaagg atttatattc atagtcacgc gccgcttaag gaggattcat 60
tctgtgaaat gagttgttag gcagtttcat tgtgcgagca tcataggggtg aacttacaca 120
aacctagggtt gcagagccta ctgcacacct cggctgtgtg gtctaacctg ttgctcctgg 180
actgcaaacc tgtacagcct gttactgtcc tgaatactgc aggcagttag aacagagtgg 240
tacatagttg tgtttctaaa catatcggaa cctagaaaaag gtacagtaga aatacgggtat 300
tacaatctta tgggaccact gtctgtgtgc ggtctgttgt tgactgaaat gttatgcagt 360
acatgggctg ccatgagatt accttganaa ttttgctga tatgaaacct agatatnacc 420
ttaaatatgg gna 433

<210> 930
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (354)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (388)

<223> n equals a,t,g, or c

<400> 930

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gtccccact cggagctcct ccagcccgt tcccgatatt gcagcatgtc ccggcggttca 60
cagagcttggt ctgcctcctc tgtcccagga gagagatgct tagagctgtc ctcccaggga 120
gtcatgtcag cctctagggt gtgcatggga gctgagggga cactcctgct gcctccctgg 180
agtggtaatt aaccgggact ttctctctcc cagaaccaac atcccgggta acggttgggc 240
tgaaggacag gtgacgtgtc cctaactccc ccccttccct gcccgagggt ccggcatcca 300
acgtcttggc ttcttggtct tcaagcagga cnaccgattg gcttttctga agangcaagn 360
ccttaacctg gtaanttaa acaaccanaa 390
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<210> 931

<211> 320

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (232)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (311)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<400> 931
cggtagcggt gggcggaacg gtgggaggac gcgtggggcc atctcacctc ttcattctct 60
tgttacattt gaagcagttg atataatggg tttatacttt aaaagataga catggtgcca 120
tgaagttggg gagttgggtg aattatocca ttctagttac agangagctt tccttaaatg 180
ccctttaact tctaggtttt gttnagaag ttcattttct gagttaaaag tnattttcat 240
atatgttttg gggaaaatta actcatcttc aaaaagaatc cttattaggt tanttnaact 300
ccttaaaaact naaccnaatc 320

<210> 932
<211> 265
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (256)
<223> n equals a,t,g, or c

<400> 932
aaaaaagata tattaacagt tttagaagtc agtagaataa aatcttaaag cactcataat 60
atggcatcct tcaatttctg tataaaagca gatcttttta aaaagatact tctgtaactt 120
aagaaacctg gcatttaaat catattttgt ctttaggtaa aagctttggt ttgtgttcgt 180
gttttggttg tttcacttgt ttccctccca gcccacaaacc tttgttctc tccgtgaaac 240
ttacctttcc cttttncttt ctctt 265

<210> 933
<211> 475
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>

<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (37)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (463)
<223> n equals a,t,g, or c

<400> 933
gtggnnngcgc tnc tagaact atggatcccc cggctgncag gattacggnc acgagcaagg 60
gcagtgttac acttatgagg aactgtctct agccatccag gnaagtacta ctgggtctga 120
gggatggaaa gttcttcctg ctatgaatga gagtggactc ttcccctcac cccaactga 180
aaccacaaac aaccagaatc ttctggaatt ctgacttaga gtcgttggtta tagaagacct 240
tgttgctatg gaacatgaaa ctgtgtgtca gatggagaga tccccttaac ctaagagcct 300
taaataagccc tgaaagtaca ctgggacggg ttgcatgga attaaaattg gaagtgatat 360
ttttaggtgc tcttgaaagc tttctgggga ctcaaaatta tcaaaagtca gggacagtcc 420
ggaggaagag cgtctgcaaa actgggttcc tagaagtata gancggactt agctg 475

<210> 934
<211> 322
<212> DNA
<213> Homo sapiens

<400> 934
ataaacaaca tctccagaca gatctacctg accgacaacc ctgaggcagt cgcgatcaag 60
ttgaatcaga ccgctctgca agcagtgact ccattacaa gttttggaaa aaaacaagaa 120
agctcatgcc ccagccagaa cctgaaaaat tcagagatgg aaatgaaaa tgacaagatt 180
gttcccaaag caacagccag tctacctgaa gcagaggagc tgatcgcgcc tggaacgccg 240
attcaattcg atattgtgct tcctgctaca gaattccttg atcagaacag agggagcagg 300
cgtaccaacc cttttggtga aa 322

<210> 935
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (122)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (124)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (301)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (327)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (356)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<400> 935
ggcagaggag aaactgtgtg tgaggggaag aggcctgttt cgctgtcggg tctctagtgc 60
ttgcacgctc tttaagagtc tgcactggag gaactctgcc attaccagct cccttcttgc 120
nnangccggt gggaaacata catttattca tgccagtctg ttgcatgcag gctttttggc 180
ttcctacctt gcaacaaaat gaattgcacc aactccttag tgccgattcc gccacagag 240
agtcctggag ccacagtctt ttttgctttg cattgtagga gagggactaa gtgctagaga 300
ntatgtcggt ttccctgagc taaccnngag cgttcgtgga actgggatca aactgnnttc 360
agggnaaaag gaaaaaaa 378

<210> 936

<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (172)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (230)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (384)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (396)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature

<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<400> 936
ggtaggtaagt ggcttcgtgg tctttatagc tgttactcctt ttgtactttg tctttttctt 60
ttatttttctt ttgagcgatt gtgcgaacat agcatagcac gcactatgcc ttctgtgttg 120
tagctgcctg gccagggcga ctggcggata aggtcttgtg cgtggcctcg angcttaaaa 180
gtaacagtgg ggctttgtga angacaaaat ggcgatggcg ggccgtgtan gtcccccttc 240
ctatgatgaa agaccttttc acagacctgt tactgaactc cgtgaagata aatantctga 300
aganatnggc cctgcaagcc tcttgcttac ccgtcctgtt ccaaaaaaat acgttttcca 360
aaatgccctg aatttgaact aatntcttat tgggcncctg ntctgccaga tttaccnca 420
ctttggaaca aaaaaaanc ttttgtttgc 450

<210> 937
<211> 209
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (15)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (16)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (187)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (191)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (200)

<223> n equals a,t,g, or c

<400> 937

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agtctttaaga ccaannaagc acgnaagcgc cgtgaagagc gcctccaggc caagnaggag 60
gngatcatca agactttatc caaggaggaa gagaccaaga aataaaacct cccactttgt 120
ctgtacatac tggcctctgt gattacatag atcagccatt gaaaataaaa caagncttaa 180
tctgcanata ngacaagnan aaaatttcg                                     209
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<210> 938

<211> 437

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (390)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (408)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (425)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<400> 938

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cagaactgat agaacaaaca ctactctttt gaatttgatg gttcgtgtcc tttaaagtgt 60
ttgaggacct atgcagagcc tgtaacactt gggtagtacc tgctaggaca atttcttggc 120
aattgtctta ctactagggg tcagtaagat ttagattctg agcccataat ggcaacagcc 180
ccctcaccta tgggaagctg acttccctca gtcgggcaact tctcatgggg gctgaacatg 240
gttcctgccca ttctgttacc cactctoccca ggtgagccct ggattggctc ccagaaggcc 300
ttgtaaaaat ccatagccat cctgcaggca gtgggagcaa caggggcttt catagcttca 360
tttccngtct tgcagacaag gaccctgggn aacatgtgct gctaataanga taattactcc 420
gttgnccnaa ttaccag                                     437
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<210> 939

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (109)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (423)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<400> 939

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cngacgcgtg ggtcgaccna cgcgtccgcc caccgcgtccg cccacgcgtc cgacgacaga 60
aggggtacggc tgcgagaaga cgcagaaggg tacggctgcg agaagacgnn agaaggggct 120
tttcacattc gggaaacgtc gggattaggt gaaagtacgt agttgtcttt cgtaagtcaa 180
aatgataatt gggccgaaac ttactgcctt acctaaaagg cagcgcagtc aggatattgg 240
taggtcgggg gcggctttgg aaacccttaa gtttacaagc atgcgcggac ttgagtgtct 300
attaggtcgc cgggcgtcca cgtgcagccc tggaccctga accccggcgt gcgttggccg 360
tnggcctcgg ggaaaagttc cgtgcactcg gggantccgg tgaagctggt cagccgtctg 420
tgnecatgtg ccatcttgan tctactctgt 450
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<210> 940

<211> 233

<212> DNA

<213> Homo sapiens

<400> 940

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ggagcgcctg tgggagccct ggagggaact ttcccagtc cagaggcgga tcgggtgttg 60
catccatgga gcgagctgag agctcgagta cagaacctgc taaggccatc aaacctattg 120
atcagaagtc agtccatcag atttgctctg ggcagggtgt actgagtcta agcactgcgg 180
taaaggagtt agtagaaaac agtctggatg ctggtgccac taatattgat cta 233
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<210> 941

<211> 238

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (202)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (217)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (228)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 941

His Glu Cys Ala Cys Leu Pro Gly Tyr Ala Gly Asp Gly His Gln Cys
 1 5 10 15

Thr Asp Val Asp Glu Cys Ser Glu Asn Arg Cys His Pro Ala Ala Thr
 20 25 30

Cys Tyr Asn Thr Pro Gly Ser Phe Ser Cys Arg Cys Gln Pro Gly Tyr
 35 40 45

Tyr Gly Asp Gly Phe Gln Cys Ile Pro Asp Ser Thr Ser Ser Leu Thr
 50 55 60

Pro Cys Glu Gln Gln Gln Arg His Ala Gln Ala Gln Tyr Ala Tyr Pro
 65 70 75 80

Gly Ala Arg Phe His Ile Pro Gln Cys Asp Glu Gln Gly Asn Phe Leu
 85 90 95

Pro Leu Gln Cys His Gly Ser Thr Gly Phe Cys Trp Cys Val Asp Pro
 100 105 110

Asp Gly His Glu Val Pro Gly Thr Gln Thr Pro Pro Gly Ser Thr Pro
 115 120 125

Pro His Cys Gly Pro Ser Pro Glu Pro Thr Gln Arg Pro Pro Thr Ile
 130 135 140

Cys Glu Arg Trp Arg Glu Asn Leu Leu Glu His Tyr Gly Gly Thr Pro
 145 150 155 160

Arg Asp Asp Gln Tyr Val Pro Gln Cys Asp Asp Leu Gly His Phe Ile
 165 170 175

Pro Leu Gln Cys His Gly Lys Ser Asp Phe Cys Trp Cys Val Asp Lys
 180 185 190

Asp Gly Arg Glu Val Gln Gly Thr Gly Xaa Pro Ala Arg His His Pro
 195 200 205

Cys Val Tyr Thr His Arg Arg Ser Xaa His Gly Pro Ala His Ala Pro
 210 215 220

Ala Arg Cys Xaa Pro Ser Ile Cys Gly Gln Leu Pro Gly Ala
 225 230 235

<210> 942

<211> 341

<212> PRT

<213> Homo sapiens

<400> 942

Arg Thr Asn Leu Lys Glu Ala Ser Asp Ile Lys Leu Glu Pro Asn Thr
 1 5 10 15

Leu Asn Gly Tyr Lys Ser Ser Val Thr Glu Pro Cys Pro Asp Ser Gly
 20 25 30

Glu Gln Leu Gln Pro Ala Pro Val Leu Gln Glu Glu Glu Leu Ala His
 35 40 45

Glu Thr Ala Gln Lys Gly Glu Ala Lys Cys His Lys Ser Asp Thr Gly
 50 55 60

Met Ser Lys Lys Lys Ser Arg Gln Gly Lys Leu Val Lys Gln Phe Ala
 65 70 75 80

Lys Ile Glu Glu Ser Thr Pro Val His Asp Ser Pro Gly Lys Asp Asp
 85 90 95

Ala Val Pro Asp Leu Met Gly Pro His Ser Asp Gln Gly Glu His Ser
 100 105 110

Gly Thr Val Gly Val Pro Val Ser Tyr Thr Asp Cys Ala Pro Ser Pro
 115 120 125

Val Gly Cys Ser Val Val Thr Ser Asp Ser Phe Arg Thr Lys Asp Ser
 130 135 140

Phe Arg Thr Ala Lys Ser Lys Lys Lys Arg Arg Ile Thr Arg Tyr Asp
 145 150 155 160

Ala Gln Leu Ile Leu Glu Asn Asn Ser Gly Ile Pro Lys Leu Thr Leu
 165 170 175

Arg Arg Arg His Asp Ser Ser Ser Lys Thr Asn Asp Gln Glu Asn Asp
 180 185 190

Gly Met Asn Ser Ser Lys Ile Ser Ile Lys Leu Ser Lys Asp His Asp
 195 200 205

Asn Asp Asn Asn Leu Tyr Val Ala Lys Leu Asn Asn Gly Phe Asn Ser
 210 215 220

Gly Ser Gly Ser Ser Ser Thr Lys Leu Lys Ile Gln Leu Lys Arg Asp
 225 230 235 240

Glu Glu Asn Arg Gly Ser Tyr Thr Glu Gly Leu His Glu Asn Gly Val
 245 250 255

Cys Cys Ser Asp Pro Leu Ser Leu Leu Glu Ser Arg Met Glu Val Asp
260 265 270

Asp Tyr Ser Gln Tyr Glu Glu Glu Ser Thr Asp Asp Ser Ser Ser Ser
275 280 285

Glu Gly Asp Glu Glu Glu Asp Asp Tyr Asp Asp Asp Phe Glu Asp Asp
290 295 300

Phe Ile Pro Leu Pro Pro Ala Lys Arg Leu Arg Leu Ile Val Gly Lys
305 310 315 320

Asp Ser Ile Asp Ile Asp Ile Ser Ser Arg Arg Arg Glu Asp Gln Ser
325 330 335

Leu Arg Leu Asn Ala
340

<210> 943

<211> 196

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (1)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (9)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (187)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 943

Xaa Leu Leu Lys Val Trp Arg Ala Xaa Gln Val Ser Val Ala Tyr Asn
1 5 10 15

Ser Leu Asp Phe Glu Pro Glu Ile Phe Phe Ala Leu Gly Ser Pro Ile
20 25 30

Ala Met Phe Leu Thr Ile Arg Gly Val Asp Arg Ile Asp Glu Asn Tyr
35 40 45

Ser Leu Pro Thr Cys Lys Gly Phe Phe Asn Ile Tyr His Pro Leu Asp
 50 55 60
 Pro Val Ala Tyr Arg Leu Glu Pro Met Ile Val Pro Asp Leu Asp Leu
 65 70 75 80
 Lys Ala Val Leu Ile Pro His His Lys Gly Arg Lys Arg Leu His Leu
 85 90 95
 Glu Leu Lys Glu Ser Leu Ser Arg Met Gly Ser Asp Leu Lys Gln Gly
 100 105 110
 Phe Ile Ser Ser Leu Lys Ser Ala Trp Gln Thr Leu Asn Glu Phe Ala
 115 120 125
 Arg Ala His Thr Ser Ser Thr Gln Leu Gln Glu Glu Leu Glu Lys Val
 130 135 140
 Ala Asn Gln Ile Lys Glu Glu Glu Glu Lys Gln Val Val Glu Ala Glu
 145 150 155 160
 Lys Val Val Glu Ser Pro Asp Phe Ser Lys Asp Glu Asp Tyr Leu Gly
 165 170 175
 Lys Val Gly Lys Val Lys Trp Arg Pro Pro Xaa Leu Thr Thr Phe Ser
 180 185 190
 Lys Lys Asn Gln
 195

<210> 944

<211> 97

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (41)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 944

Pro His Gly Leu Arg Cys Pro Ser Cys Pro Gln Thr Ala Val Ser Arg
 1 5 10 15
 Arg Gln Ala Arg Arg Met Val Thr Glu Thr Ser Arg Arg Arg Ile
 20 25 30
 Gln Glu Leu Glu Glu Arg Arg Arg Xaa Phe Val Glu Ala Cys Arg Ala
 35 40 45

Arg Glu Ala Ala Phe Asp Ala Glu Tyr Gln Arg Asn Pro His Arg Val
 50 55 60

Asp Leu Asp Ile Leu Thr Phe Thr Ile Ala Leu Thr Ala Ser Glu Val
 65 70 75 80

Ile Asn Pro Leu Ile Glu Glu Leu Gly Cys Asp Lys Phe Ile Asn Arg
 85 90 95

Glu

<210> 945
 <211> 123
 <212> PRT
 <213> Homo sapiens

<400> 945
 Ser Gly Ser Pro Gly Leu Gln Glu Phe Arg Ala Pro Gly Val Gln Gln
 1 5 10 15

Asp Glu Arg Leu Ala Ser Pro Ile His Ser Thr Tyr Ile Pro Ile Pro
 20 25 30

Thr Ser Ala Ile Cys Ala Thr Gly Ser Asn Gly Ser Ala Pro Thr Arg
 35 40 45

Ile Ser Val Gln Cys Leu Ser Pro Ala Thr Thr Gly Ser Ala Ser Val
 50 55 60

Asp Leu Cys Cys Thr Arg Asp Ile Ser Leu Leu Pro Gly Glu Pro Pro
 65 70 75 80

Ile Ala Val Pro Thr Gly Val Phe Gly Pro Leu Pro Thr Gly Ser Val
 85 90 95

Gly Leu Leu Phe Asp Leu Ser Ser Leu Asn Leu Lys Gly Val Gln Val
 100 105 110

His Thr Gly Val Ile Asp Ser Asp Ile Gln Val
 115 120

<210> 946
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 946

Gly Phe Leu Gly Leu Leu Phe Met Pro Gln Ala Thr Tyr Pro Gly Glu
1 5 10 15

Ser Leu Pro Val Leu Leu His Glu Phe Leu Ser His Arg Met His Val
20 25 30

Pro Leu His Phe Val Thr Ser Val Ser Pro Thr Arg Gln
35 40 45

<210> 947

<211> 160

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (27)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (29)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (56)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (110)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (132)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (133)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (147)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (156)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 947

Gly Pro Arg Arg Gly Pro Gly Pro Gly Gly Cys Ala Ala Pro Ala Thr
1 5 10 15

Glu Glu Gln Glu Ala Ala Ser Ser Ser Ser Xaa Leu Xaa Glu Val Thr
20 25 30

Leu Gly Glu Val Pro Ala Ala Glu Ser Pro Asp Pro Pro Gln Ser Pro
35 40 45

Gln Gly Ala Ser Ser Leu Pro Xaa Thr Met Asn Tyr Pro Leu Trp Ser
50 55 60

Gln Ser Tyr Glu Asp Ser Ser Asn Gln Glu Glu Glu Gly Pro Ser Thr
65 70 75 80

Phe Pro Asp Leu Glu Ser Glu Phe Gln Ala Ala Leu Ser Arg Lys Val
85 90 95

Ala Lys Leu Val His Phe Leu Leu Leu Lys Tyr Arg Ala Xaa Glu Pro
100 105 110

Val Thr Lys Ala Glu Met Leu Gly Ser Val Val Gly Lys Leu Ala Ser
115 120 125

Thr Ser Phe Xaa Xaa Ile Phe Lys Gln Lys Leu Ser Asp Phe Leu Cys
130 135 140

Asn Leu Xaa Phe Trp His Ser Lys Leu Glu Trp Xaa Val Gly Pro Pro
145 150 155 160

<210> 948

<211> 53

<212> PRT

<213> Homo sapiens

<400> 948

Ser Asn Trp Ile Ile Asp Cys Asn Cys Leu Glu Ile Tyr His Lys Asn
1 5 10 15

Arg Leu Cys Phe Phe Gly Ile Ala Pro Asn Phe Ser Leu Leu Leu Arg
20 25 30

Ala Ala His Ala Val Leu Ser Ser Tyr Trp Ser Gln Pro Leu Gly Glu
35 40 45

Glu Arg Asn Ala Trp
50

<210> 949

<211> 154

<212> PRT

<213> Homo sapiens

<400> 949

Trp Asp Tyr Ile Leu Cys Ala Gly Leu Arg Glu His Glu Glu Gly Ala
1 5 10 15

Ile Cys His Thr Leu Glu Ala Glu Ala Cys Thr Ser Ala Ala Arg Leu
20 25 30

Thr Val Val Gly Gly Gly Asp Gly Asn Cys Arg Ser Ala Arg Val Val
35 40 45

Glu Lys Leu Leu Gln Gly Phe Ser Gly Phe Ala Cys Pro Ala Ala Pro
50 55 60

Cys Leu Ala Arg Gly Glu Gly Gly Ala Thr Cys Gly Thr Leu Glu Ala
65 70 75 80

Gly Ala Cys Arg Trp His Gly Ser Ala Ala His Leu Ala Ala Val Gly
85 90 95

Gly Gly Asp Arg Asp Cys Ser Leu Thr Val Val Asn Leu Glu Ile Ile
100 105 110

Cys Leu Glu Ala Leu Ser Leu Ser Trp Asp Leu Lys Arg Arg Gly Ser
115 120 125

Pro Asn Ser Gln Gln Ser Asn Ser Lys Trp Cys Cys Lys Leu Asn His
130 135 140

Thr Trp Thr Gly His Ser Ser Glu Asp Pro
145 150

<210> 950

<211> 442

<212> PRT

<213> Homo sapiens

<400> 950

Ala Arg Gly Thr Glu Thr Cys Gly Leu Ile Gln Val Thr Leu Leu Asp
1 5 10 15

Thr Val Glu Leu Ala Thr Tyr Thr Val Arg Thr Phe Ala Leu His Lys
20 25 30

Ser Gly Ser Ser Glu Lys Arg Glu Leu Arg Gln Phe Gln Phe Met Ala
35 40 45

Trp Pro Asp His Gly Val Pro Glu Tyr Pro Thr Pro Ile Leu Ala Phe
50 55 60

Leu Arg Arg Val Lys Ala Cys Asn Pro Leu Asp Ala Gly Pro Met Val
65 70 75 80

Val His Cys Ser Ala Gly Val Gly Arg Thr Gly Cys Phe Ile Val Ile
85 90 95

Asp Ala Met Leu Glu Arg Met Lys His Glu Lys Thr Val Asp Ile Tyr
100 105 110

Gly His Val Thr Cys Met Arg Ser Gln Arg Asn Tyr Met Val Gln Thr
115 120 125

Glu Asp Gln Tyr Val Phe Ile His Glu Ala Leu Leu Glu Ala Ala Thr
130 135 140

Cys Gly His Thr Glu Val Pro Ala Arg Asn Leu Tyr Ala His Ile Gln
145 150 155 160

Lys Leu Gly Gln Val Pro Pro Gly Glu Ser Val Thr Ala Met Glu Leu
165 170 175

Glu Phe Lys Leu Leu Ala Ser Ser Lys Ala His Thr Ser Arg Phe Ile
180 185 190

Ser Ala Asn Leu Pro Cys Asn Lys Phe Lys Asn Arg Leu Val Asn Ile
195 200 205

Met Pro Tyr Glu Leu Thr Arg Val Cys Leu Gln Pro Ile Arg Gly Val
210 215 220

Glu Gly Ser Asp Tyr Ile Asn Ala Ser Phe Leu Asp Gly Tyr Arg Gln
225 230 235 240

Gln Lys Ala Tyr Ile Ala Thr Gln Gly Pro Leu Ala Glu Ser Thr Glu

245 250 255
 Asp Phe Trp Arg Met Leu Trp Glu His Asn Ser Thr Ile Ile Val Met
 260 265 270
 Leu Thr Lys Leu Arg Glu Met Gly Arg Glu Lys Cys His Gln Tyr Trp
 275 280 285
 Pro Ala Glu Arg Ser Ala Arg Tyr Gln Tyr Phe Val Val Asp Pro Met
 290 295 300
 Ala Glu Tyr Asn Met Pro Gln Tyr Ile Leu Arg Glu Phe Lys Val Thr
 305 310 315 320
 Asp Ala Arg Asp Gly Gln Ser Arg Thr Ile Arg Gln Phe Gln Phe Thr
 325 330 335
 Asp Trp Pro Glu Gln Gly Val Pro Lys Thr Gly Glu Gly Phe Ile Asp
 340 345 350
 Phe Ile Gly Gln Val His Lys Thr Lys Glu Gln Phe Gly Gln Asp Gly
 355 360 365
 Pro Ile Thr Val His Cys Ser Ala Gly Val Gly Arg Thr Gly Val Phe
 370 375 380
 Ile Thr Leu Ser Ile Val Leu Glu Arg Met Arg Tyr Glu Gly Val Val
 385 390 395 400
 Asp Met Phe Gln Thr Val Lys Thr Leu Arg Thr Gln Arg Pro Ala Met
 405 410 415
 Val Gln Thr Glu Asp Gln Tyr Gln Leu Cys Tyr Arg Ala Ala Leu Glu
 420 425 430
 Tyr Leu Gly Ser Phe Asp His Tyr Ala Thr
 435 440

<210> 951

<211> 82

<212> PRT

<213> Homo sapiens

<400> 951

Asn Ser Lys Val Gly Ile Ser Arg Asn Cys Val Gln Met His Pro Val
 1 5 10 15

Val Ala Leu Gln Glu Val Cys Leu Met Lys Leu Gly Lys His Phe Ala
 20 25 30

Ile Phe Pro Leu Ala Val Phe Leu Cys Ser Leu Leu Pro Leu Phe Phe
 35 40 45

Pro Trp Phe Val Ile Ile Arg Arg Glu Val Leu Gln Arg Leu Val Ala
 50 55 60

Val Lys Glu Ser Phe Phe Asn Phe Tyr Pro Arg Val Ser His Phe Tyr
 65 70 75 80

Ser Arg

<210> 952
 <211> 475
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (465)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (468)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (469)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 952
 Leu Val Leu Pro Leu His Ala Val Glu Lys Thr Gly Arg Pro Gly Gln
 1 5 10 15

Pro Ala Leu Lys Met Pro Gly Lys Leu Arg Ser Asp Ala Gly Leu Glu
 20 25 30

Ser Asp Thr Ala Met Lys Lys Gly Glu Thr Leu Arg Lys Gln Thr Glu
 35 40 45

Glu Lys Glu Lys Lys Glu Lys Pro Lys Ser Asp Lys Thr Glu Glu Ile
 50 55 60

Ala Glu Glu Glu Glu Thr Val Phe Pro Lys Ala Lys Gln Val Lys Lys
 65 70 75 80

Lys Ala Glu Pro Ser Glu Val Asp Met Asn Ser Pro Lys Ser Lys Lys
 85 90 95

Ala Lys Lys Lys Glu Glu Pro Ser Gln Asn Asp Ile Ser Pro Lys Thr
 100 105 110

Lys Ser Leu Arg Lys Lys Lys Glu Pro Ile Glu Lys Lys Val Val Ser
 115 120 125

Ser Lys Thr Lys Lys Val Thr Lys Asn Glu Glu Pro Ser Glu Glu Glu
 130 135 140

Ile Asp Ala Pro Lys Pro Lys Lys Met Lys Lys Glu Lys Glu Met Asn
 145 150 155 160

Gly Glu Thr Arg Glu Lys Ser Pro Lys Leu Lys Asn Gly Phe Pro His
 165 170 175

Pro Glu Pro Asp Cys Asn Pro Ser Glu Ala Ala Ser Glu Glu Ser Asn
 180 185 190

Ser Glu Ile Glu Gln Glu Ile Pro Val Glu Gln Lys Glu Gly Ala Phe
 195 200 205

Ser Asn Phe Pro Ile Ser Glu Glu Thr Ile Lys Leu Leu Lys Gly Arg
 210 215 220

Gly Val Thr Phe Leu Phe Pro Ile Gln Ala Lys Thr Phe His His Val
 225 230 235 240

Tyr Ser Gly Lys Asp Leu Ile Ala Gln Ala Arg Thr Gly Thr Gly Lys
 245 250 255

Thr Phe Ser Phe Ala Ile Pro Leu Ile Glu Lys Leu His Gly Glu Leu
 260 265 270

Gln Asp Arg Lys Arg Gly Arg Ala Pro Gln Val Leu Val Leu Ala Pro
 275 280 285

Thr Arg Glu Leu Ala Asn Gln Val Ser Lys Asp Phe Ser Asp Ile Thr
 290 295 300

Lys Lys Leu Ser Val Ala Cys Phe Tyr Gly Gly Thr Pro Tyr Gly Gly
 305 310 315 320

Gln Phe Glu Arg Met Arg Asn Gly Ile Asp Ile Leu Val Gly Thr Pro
 325 330 335

Gly Arg Ile Lys Asp His Ile Gln Asn Gly Lys Leu Asp Leu Thr Lys
 340 345 350

Leu Lys His Val Val Leu Asp Glu Val Asp Gln Met Leu Asp Met Gly
 355 360 365

Phe Ala Asp Gln Val Glu Glu Ile Leu Ser Val Ala Tyr Lys Lys Asp
 370 375 380

Ser Glu Asp Asn Pro Gln Thr Leu Leu Phe Ser Ala Thr Cys Pro His
 385 390 395 400

Trp Val Phe Asn Val Ala Lys Lys Tyr Met Lys Ser Thr Tyr Glu Gln
 405 410 415

Val Asp Leu Ile Gly Lys Lys Thr Gln Lys Thr Ala Ile Thr Val Glu
 420 425 430

His Leu Ala Ile Lys Cys His Trp Thr Gln Arg Ala Ala Val Ile Gly
 435 440 445

Asp Val Ile Arg Val Tyr Ser Gly His Gln Gly Arg Thr Ile Ile Phe
 450 455 460

Xaa Glu Thr Xaa Xaa Glu Ala Gln Glu Leu Ser
 465 470 475

<210> 953

<211> 259

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 953

His Glu Ala Lys Trp Ala Arg Glu Glu Glu Glu Ala Gln Arg Arg Leu
 1 5 10 15

Glu Glu Asn Arg Leu Arg Met Glu Glu Glu Ala Ala Arg Leu Arg His
 20 25 30

Glu Glu Glu Glu Arg Lys Arg Lys Ala Leu Glu Val Gln Arg Gln Lys
 35 40 45

Glu Leu Met Arg Gln Arg Gln Gln Gln Gln Glu Ala Leu Arg Arg Leu
 50 55 60

Gln Gln Gln Gln Gln Gln Gln Gln Leu Ala Gln Met Lys Leu Pro Ser
 65 70 75 80

Ser Ser Thr Trp Gly Gln Gln Ser Asn Thr Thr Ala Cys Gln Ser Gln
 85 90 95
 Ala Thr Leu Ser Leu Ala Glu Ile Gln Lys Leu Glu Glu Glu Arg Glu
 100 105 110
 Arg Gln Xaa Arg Glu Glu Gln Arg Arg Gln Gln Arg Glu Leu Met Lys
 115 120 125
 Ala Leu Gln Gln Gln Gln Gln Gln Gln Gln Lys Leu Ser Gly Trp
 130 135 140
 Gly Asn Val Ser Lys Pro Ser Gly Thr Thr Lys Ser Leu Leu Glu Ile
 145 150 155 160
 Gln Gln Glu Glu Ala Arg Gln Met Gln Lys Gln Gln Gln Gln Gln Gln
 165 170 175
 Gln His Gln Gln Pro Asn Arg Ala Arg Asn Asn Thr His Ser Asn Leu
 180 185 190
 His Thr Ser Ile Gly Asn Ser Val Trp Gly Ser Ile Asn Thr Gly Pro
 195 200 205
 Pro Asn Gln Trp Ala Ser Asp Leu Val Ser Ser Ile Trp Ser Asn Ala
 210 215 220
 Asp Thr Lys Asn Ser Asn Met Gly Phe Trp Asp Asp Ala Val Lys Glu
 225 230 235 240
 Val Gly Pro Arg Asn Ser Thr Asn Lys Asn Lys Asn Asn Ala Ile Ser
 245 250 255
 Val Asn Leu

<210> 954

<211> 144

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (107)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (114)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (130)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (144)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 954

Ile	Val	Tyr	Val	Pro	Ser	His	Leu	His	His	Met	Xaa	Phe	Glu	Leu	Phe
1				5					10					15	

Xaa	Asn	Ala	Met	Arg	Ala	Thr	Val	Glu	His	Gln	Glu	Asn	Gln	Pro	Xaa
		20						25					30		

Leu	Thr	Pro	Ile	Glu	Val	Ile	Val	Ala	Leu	Gly	Lys	Glu	Asp	Leu	Thr
		35					40						45		

Ile	Lys	Ile	Ser	Asp	Arg	Gly	Gly	Gly	Val	Pro	Leu	Arg	Ile	Ile	Asp
	50					55					60				

Arg	Leu	Phe	Ser	Tyr	Thr	Tyr	Ser	Thr	Ala	Pro	Thr	Pro	Val	Met	Asp
65					70					75					80

Asn	Ser	Arg	Asn	Ala	Pro	Leu	Ala	Gly	Phe	Gly	Tyr	Gly	Leu	Pro	Ile
			85						90					95	

Ser	Arg	Leu	Tyr	Ala	Lys	Tyr	Phe	Gln	Gly	Xaa	Leu	Asn	Leu	Tyr	Ser
		100						105					110		

Leu	Xaa	Gly	Tyr	Gly	Thr	Asp	Ala	Ile	Ile	Tyr	Leu	Lys	Ala	Leu	Val
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----

115 120 125
 Thr Xaa Cys Gln Phe Leu Val Cys Met Gln Ser Thr Phe Lys Glu Xaa
 130 135 140

<210> 955
 <211> 243
 <212> PRT
 <213> Homo sapiens

<400> 955
 Thr Arg Pro Arg Thr Arg Gly Leu Trp Arg Pro Gly Trp Arg Cys Val
 1 5 10 15

Pro Phe Cys Gly Trp Arg Trp Ile His Pro Gly Ser Pro Thr Arg Ala
 20 25 30

Ala Glu Arg Val Glu Pro Phe Leu Arg Pro Glu Trp Ser Gly Thr Gly
 35 40 45

Gly Ala Glu Arg Gly Leu Arg Trp Leu Gly Thr Trp Lys Arg Cys Ser
 50 55 60

Leu Arg Ala Arg His Pro Ala Leu Gln Pro Pro Arg Arg Pro Lys Ser
 65 70 75 80

Ser Asn Pro Phe Thr Arg Ala Gln Glu Glu Glu Arg Arg Arg Gln Asn
 85 90 95

Lys Thr Thr Leu Thr Tyr Val Ala Ala Val Ala Val Gly Met Leu Gly
 100 105 110

Ala Ser Tyr Ala Ala Val Pro Leu Tyr Arg Leu Tyr Cys Gln Thr Thr
 115 120 125

Gly Leu Gly Gly Ser Ala Val Ala Gly His Ala Ser Asp Lys Ile Glu
 130 135 140

Asn Met Val Pro Val Lys Asp Arg Ile Ile Lys Ile Ser Phe Asn Ala
 145 150 155 160

Asp Val His Ala Ser Leu Gln Trp Asn Phe Arg Pro Gln Gln Thr Glu
 165 170 175

Ile Tyr Val Val Pro Gly Glu Thr Ala Leu Ala Phe Tyr Arg Ala Lys
 180 185 190

Asn Pro Thr Asp Lys Pro Val Ile Gly Ile Ser Thr Tyr Asn Ile Val
 195 200 205

Pro Phe Glu Ala Gly Gln Tyr Phe Asn Lys Ile Gln Cys Phe Cys Phe
 210 215 220

Glu Glu Gln Arg Leu Asn Pro Gln Glu Glu Val Gly Tyr Ala Ser Val
 225 230 235 240

Phe Leu His

<210> 956
 <211> 184
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (12)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (16)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 956
 Gly Leu Val Val Thr Leu Leu Thr His Xaa Phe Xaa Ile Asn Ser Xaa
 1 5 10 15

Asn Phe Cys Thr Ser Ala Lys Asp Ala Phe Val Ile Leu Val Glu Asn
 20 25 30

Ala Leu Arg Val Ala Thr Ile Asn Thr Val Gly Asp Phe Met Leu Phe
 35 40 45

Leu Gly Lys Val Leu Ile Val Cys Ser Thr Gly Leu Ala Gly Ile Met
 50 55 60

Leu Leu Asn Tyr Gln Gln Asp Tyr Thr Val Trp Val Leu Pro Leu Ile
 65 70 75 80

Ile Val Cys Leu Phe Ala Phe Leu Val Ala His Cys Phe Leu Ser Ile
85 90 95

Tyr Glu Met Val Val Asp Val Leu Phe Leu Cys Phe Ala Ile Asp Thr
100 105 110

Lys Tyr Asn Asp Gly Ser Pro Gly Arg Glu Phe Tyr Met Asp Lys Val
115 120 125

Leu Met Glu Phe Val Glu Asn Ser Arg Lys Ala Met Lys Glu Ala Gly
130 135 140

Lys Gly Gly Val Ala Asp Ser Arg Glu Leu Asn Arg Cys Phe Gly Ser
145 150 155 160

Lys Phe Cys Leu Asn Leu Ala Asp Gly Tyr Gly Asn Pro Leu Thr Phe
165 170 175

Gln Asn Asn Ile Tyr Thr His Thr
180

<210> 957

<211> 124

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (119)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 957

Ser Arg Ser Pro Val Leu Asp Pro Ser Glu Pro Gln Pro Leu Ala Ala
1 5 10 15

Met His Val Ile Lys Arg Asp Gly Arg Gln Glu Arg Val Met Phe Asp
20 25 30

Lys Ile Thr Ser Arg Ile Gln Lys Leu Cys Tyr Gly Leu Asn Met Asp
35 40 45

Phe Val Asp Pro Ala Gln Ile Thr Met Lys Val Ile Gln Gly Leu Tyr
50 55 60

Ser Gly Val Thr Thr Val Glu Leu Asp Thr Leu Ala Ala Glu Thr Ala
65 70 75 80

Ala Thr Leu Thr Thr Lys His Pro Asp Tyr Ala Ile Leu Ala Ala Arg
85 90 95

Ile Ala Val Ser Asn Leu His Lys Glu Thr Lys Lys Val Phe Ser Asp
100 105 110

Val Met Glu Asp Leu Tyr Xaa Leu His Lys Ser Thr
115 120

<210> 958

<211> 117

<212> PRT

<213> Homo sapiens

<400> 958

Ser Ile Met Phe Val Ala Leu Met Lys Tyr Phe Gln Glu Met Cys Pro
1 5 10 15

Gly Val Ala Leu Ala Met Leu Thr Arg Pro Leu Val Thr Gln Arg Ala
20 25 30

Leu Gly Pro Asp Gly Asp Leu Pro Leu Arg Phe Leu Tyr Gln Ala Leu
35 40 45

Ser Ser His Gly Ala Ser Gly Thr Ser Leu Leu Ser Trp Glu Lys Gly
50 55 60

Asn Trp Leu Pro Arg Gln Val Val Glu Ser Val Ala Gly Thr Arg Leu
65 70 75 80

Glu Ala His Leu Val Val Asn Arg Ala Gln Trp Gly Arg Leu Gly Met
85 90 95

Leu Trp Ser Met Gly Leu Phe Pro Gly Glu Cys Ser Gly Met Ser Ser
100 105 110

Gln Leu Leu Trp Cys
115

<210> 959

<211> 267

<212> PRT

<213> Homo sapiens

<400> 959

Ser Met Pro Gly Trp Arg Leu Leu Thr Gln Val Gly Ala Gln Val Leu
1 5 10 15

Gly Arg Leu Gly Asp Gly Leu Gly Ala Ala Leu Gly Pro Gly Asn Arg

20	25	30
Thr His Ile Trp Leu Phe Val Arg Gly Leu His Gly Lys Ser Gly Thr		
35	40	45
Trp Trp Asp Glu His Leu Ser Glu Glu Asn Val Pro Phe Ile Lys Gln		
50	55	60
Leu Val Ser Asp Glu Asp Lys Ala Gln Leu Ala Ser Lys Leu Cys Pro		
65	70	75
Leu Lys Asp Glu Pro Trp Pro Ile His Pro Trp Glu Pro Gly Ser Phe		
	85	90
Arg Val Gly Leu Ile Ala Leu Lys Leu Gly Met Met Pro Leu Trp Thr		
100	105	110
Lys Asp Gly Gln Lys His Val Val Thr Leu Leu Gln Val Gln Asp Cys		
115	120	125
His Val Leu Lys Tyr Thr Ser Lys Glu Asn Cys Asn Gly Lys Met Ala		
130	135	140
Thr Leu Ser Val Gly Gly Lys Thr Val Ser Arg Phe Arg Lys Ala Thr		
145	150	155
Ser Ile Leu Glu Phe Tyr Arg Glu Leu Gly Leu Pro Pro Lys Gln Thr		
	165	170
Val Lys Ile Phe Asn Ile Thr Asp Asn Ala Ala Ile Lys Pro Gly Thr		
180	185	190
Pro Leu Tyr Ala Ala His Phe Arg Pro Gly Gln Tyr Val Asp Val Thr		
195	200	205
Ala Lys Thr Ile Gly Lys Gly Phe Gln Gly Val Met Lys Arg Trp Gly		
210	215	220
Phe Lys Gly Gln Pro Ala Thr His Gly Gln Thr Lys Thr His Arg Arg		
225	230	235
Pro Gly Ala Val Ala Thr Gly Asp Ile Gly Arg Val Trp Pro Gly Thr		
	245	250
Lys Met Pro Gly Lys Met Gly Lys Cys Gly Glu		
260	265	

<210> 960

<211> 165

<212> PRT

<213> Homo sapiens

<400> 960

Pro Arg Val Arg Ala Arg Trp Arg Arg Gly His Phe Phe His Cys Pro
 1 5 10 15

Ser Glu Gly Thr Leu Ser Ser Val Ser Gly Ala Val Phe Gln Leu Arg
 20 25 30

Val Val Pro Arg Glu Ser Glu Arg Pro Ser Pro Gly Trp Cys Asp Gly
 35 40 45

Arg Gly Gly Gly Gln Ala Gly Arg Ala Ala Val His Gln Arg Gly Gly
 50 55 60

Arg Ala Gly Gln Arg Arg Arg Pro Gly Leu Leu Pro Asp Leu Gly Val
 65 70 75 80

Ser Ala Val Gly Gly His Gly Arg His Pro Arg Pro His Arg Pro Leu
 85 90 95

Arg Leu His Leu Leu Pro Ala Arg Leu Arg Pro Ala Leu Pro Ala Pro
 100 105 110

His Ser Gln Gly Gly Lys Glu Val Glu Gln Ile Phe Gln Ile Thr Glu
 115 120 125

Thr Ser Leu Tyr Arg Arg Pro His Arg Gly Pro Leu His Leu Arg Pro
 130 135 140

Val Leu Asp Val Pro Leu Arg His Gly Ala Arg Leu Leu Lys Trp Gly
 145 150 155 160

Pro Gly Gly Leu Phe
 165

<210> 961

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (12)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 961

Thr Ala Thr Thr Glu Val Glu Val Leu Asp Met Xaa Val Leu Pro Leu

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1             5             10             15
Val Tyr Ile Leu Met Asn Ile Asp Val Asn Lys Lys Gly Lys Lys Gln
      20             25             30
Asn Thr Arg Phe Phe Pro Ile Leu Met Leu Ala Pro Ser Lys Ser Leu
      35             40             45
Pro Thr Arg Met Asn Thr Phe Pro Lys Leu Asn Lys Phe Leu Phe Ile
      50             55             60
Lys Leu Arg Leu Lys Phe Val Gly Leu Gly Ser Phe Leu Lys Pro Arg
      65             70             75             80
Ala Cys Pro Leu Pro Thr Pro Pro Ser Phe Ala Pro Lys
      85             90

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<210> 962
 <211> 173
 <212> PRT
 <213> Homo sapiens

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<400> 962
Glu Pro Lys Ala Lys Pro His Arg Ser Arg Gly Ser Gly Thr Arg Ala
 1             5             10             15
Val Arg Arg Arg Ser Cys Leu Gln Ser Ala Ala Glu Ala Ala His Gly
      20             25             30
Pro Asp Thr Pro Ala Ala Arg Ala Leu Gln Ser Leu Gly His Pro Val
      35             40             45
Val Gly Asp Leu Thr Tyr Gly Glu Val Ser Gly Arg Glu Asp Arg Pro
      50             55             60
Phe Arg Met Met Leu His Ala Phe Tyr Leu Arg Ile Pro Thr Asp Thr
      65             70             75             80
Glu Cys Val Glu Val Cys Thr Pro Asp Pro Phe Leu Pro Ser Leu Asp
      85             90             95
Ala Cys Trp Ser Pro His Thr Leu Leu Gln Ser Leu Asp Gln Leu Val
      100            105            110
Gln Ala Leu Arg Ala Thr Pro Asp Pro Asp Pro Glu Asp Arg Gly Pro
      115            120            125
Arg Pro Gly Ser Pro Ser Ala Leu Leu Pro Gly Pro Gly Arg Pro Pro
      130            135            140

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Pro Pro Pro Thr Lys Pro Pro Glu Thr Glu Ala Gln Arg Gly Pro Cys
 145 150 155 160

Leu Gln Trp Leu Ser Glu Trp Thr Leu Glu Pro Asp Ser
 165 170

<210> 963

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (48)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 963

Ser Ser Arg Gly Glu Pro Arg Ala Ala Leu Leu Cys Lys Arg Ser Asp
 1 5 10 15

Val Leu Leu Glu Pro Phe Arg Arg Gly Val Met Glu Lys Leu Gln Leu
 20 25 30

Gly Pro Glu Ile Leu Gln Arg Glu Asn Pro Arg Leu Ile Tyr Xaa Xaa
 35 40 45

Leu Ser Gly Phe Gly Gln Ser Gly Lys Leu Leu Pro Val Ser Trp Pro
 50 55 60

Arg Tyr Gln Leu Phe Gly Phe Cys Ser Gly Gly Arg Xaa Gln His Ile
 65 70 75 80

<210> 964

<211> 89

<212> PRT

<213> Homo sapiens

<400> 964

Ala Glu Ala Leu Gly Ser Pro Cys Phe Pro Gln Asp Leu Leu Leu Ala
1 5 10 15

Asn Arg Ser Ser Arg Gln Leu Leu Gln Cys Val Ser His Pro Ala Asn
20 25 30

Arg Ser Val Cys Ile Ser Val Lys Glu Asn Ser Leu Val Pro Pro Gly
35 40 45

Ser Ala Trp Lys Leu Asp Ala Asn Phe Tyr Ile Ala Trp Gln Thr Asp
50 55 60

Gln Gln Cys Gln Ala Leu Ile Cys Ile Leu His Tyr Pro Phe Thr Trp
65 70 75 80

Phe Leu Ala Leu Asn Gly Leu Gln Pro
85

<210> 965

<211> 323

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (218)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 965

Gly Arg Ala Ser Glu Arg Ala Ser Arg Gln Gln Ala Ala Gly Gly Arg
1 5 10 15

Ala Asp Gly Thr Glu Gly Gly Ser Glu Arg Ala Val Ser Lys Pro Ala
20 25 30

Arg Ala Val Gly Ser Arg Gly Gln Pro Arg Phe Leu Arg Ser Leu Arg
35 40 45

Pro Pro Pro Trp Ser Pro Gln Arg Leu Arg Cys Pro Glu Asp Arg Thr
50 55 60

Arg Pro Gly Pro Ala Met Ala Ser Leu Leu Lys Val Asp Gln Glu Val
65 70 75 80

Lys Leu Lys Val Asp Ser Phe Arg Glu Arg Ile Thr Ser Glu Ala Glu
85 90 95

Asp Leu Val Ala Asn Phe Phe Pro Lys Lys Leu Leu Glu Leu Asp Ser
100 105 110

Phe Leu Lys Glu Pro Ile Leu Asn Ile His Asp Leu Thr Gln Ile His
115 120 125

Ser Asp Met Asn Leu Pro Val Pro Asp Pro Ile Leu Leu Thr Asn Ser
130 135 140

His Asp Gly Leu Asp Gly Pro Thr Tyr Lys Lys Arg Arg Leu Asp Glu
145 150 155 160

Cys Glu Glu Ala Phe Gln Gly Thr Lys Val Phe Val Met Pro Asn Gly
165 170 175

Met Leu Lys Ser Asn Gln Gln Leu Val Asp Ile Ile Glu Lys Val Lys
180 185 190

Pro Glu Ile Arg Leu Leu Ile Glu Lys Cys Asn Thr Val Lys Met Trp
195 200 205

Val Gln Leu Leu Ile Pro Arg Ile Glu Xaa Gly Asn Asn Phe Gly Val
210 215 220

Ser Ile Gln Glu Glu Thr Val Ala Glu Leu Arg Thr Val Glu Ser Glu
225 230 235 240

Ala Ala Ser Tyr Leu Asp Gln Ile Ser Arg Tyr Tyr Ile Thr Arg Ala
245 250 255

Lys Leu Val Ser Lys Ile Ala Lys Tyr Pro His Val Glu Asp Tyr Arg
260 265 270

Arg Thr Val Thr Glu Ile Asp Glu Lys Glu Tyr Ile Ser Leu Arg Leu
275 280 285

Ile Ile Ser Glu Leu Arg Asn Gln Tyr Val Thr Leu His Asp Met Ile
290 295 300

Leu Lys Asn Ile Glu Lys Ile Lys Arg Pro Arg Ser Ser Asn Ala Glu
305 310 315 320

Thr Leu Tyr

<210> 966

<211> 314
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (39)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (300)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 966
 Val Ser Pro Gln Lys Ala Ala Ser Leu Val Arg Ile Arg Trp Arg His
 1 5 10 15
 Val Arg Pro Ser Pro Pro Ser Ala Ser Arg Leu Arg Arg Leu Pro Pro
 20 25 30
 Arg His Leu Thr Val Ala Xaa Arg Pro Arg Arg Glu Gly Val Gly Thr
 35 40 45
 Gly Ser Arg Ala Val Leu Cys Ile Leu Ala Thr Cys Gly Ser Lys Met
 50 55 60
 Ser Asp Ile Gly Asp Trp Phe Arg Ser Ile Pro Ala Ile Thr Arg Tyr
 65 70 75 80
 Trp Phe Ala Ala Thr Val Ala Val Pro Leu Val Gly Lys Leu Gly Leu
 85 90 95
 Ile Ser Pro Ala Tyr Leu Phe Leu Trp Pro Glu Ala Phe Leu Tyr Arg
 100 105 110
 Phe Gln Ile Trp Arg Pro Ile Thr Ala Thr Phe Tyr Phe Pro Val Gly
 115 120 125
 Pro Gly Thr Gly Phe Leu Tyr Leu Val Asn Leu Tyr Phe Leu Tyr Gln
 130 135 140
 Tyr Ser Thr Arg Leu Glu Thr Gly Ala Phe Asp Gly Arg Pro Ala Asp
 145 150 155 160
 Tyr Leu Phe Met Leu Leu Phe Asn Trp Ile Cys Ile Val Ile Thr Gly
 165 170 175
 Leu Ala Met Asp Met Gln Leu Leu Met Ile Pro Leu Ile Met Ser Val
 180 185 190

Leu Tyr Val Trp Ala Gln Leu Asn Arg Asp Met Ile Val Ser Phe Trp
 195 200 205
 Phe Gly Thr Arg Phe Lys Ala Cys Tyr Leu Pro Trp Val Ile Leu Gly
 210 215 220
 Phe Asn Tyr Ile Ile Gly Gly Ser Val Ile Asn Glu Leu Ile Gly Asn
 225 230 235 240
 Leu Val Gly His Leu Tyr Phe Phe Leu Met Phe Arg Tyr Pro Met Asp
 245 250 255
 Leu Gly Gly Arg Asn Phe Leu Ser Thr Pro Gln Phe Leu Tyr Arg Trp
 260 265 270
 Leu Pro Ser Arg Arg Gly Gly Val Ser Gly Phe Gly Val Pro Pro Ala
 275 280 285
 Ser Met Arg Arg Ala Ala Asp Gln Asn Gly Gly Xaa Gly Arg His Asn
 290 295 300
 Trp Gly Gln Gly Phe Arg Leu Gly Asp Gln
 305 310

<210> 967

<211> 181

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (163)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (175)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 967

Thr Ser Ser Asp Thr Leu Thr Val Leu Ser Arg Ala Arg Leu Gly Ser
 1 5 10 15
 Leu Leu Trp Gln Asn Leu Gly Ser Gln Glu Val Leu Val Pro Gly Asn
 20 25 30
 Ser Cys Phe Ser Gly Ala Gly Leu Tyr Ser Leu Gln Pro Leu Ala Leu
 35 40 45

Pro Ser Trp Asn Gln Gly Gln Arg Leu Ser Pro Thr Leu Val Ser Ile
 50 55 60
 Phe Gln Lys Thr Gly Asn Ala Val Arg Ala Ile Gly Arg Leu Ser Ser
 65 70 75 80
 Met Ala Met Ile Ser Gly Leu Ser Gly Arg Lys Ser Ser Thr Gly Ser
 85 90 95
 Pro Thr Ser Pro Leu Asn Ala Glu Lys Leu Glu Ser Glu Glu Asp Val
 100 105 110
 Ser Gln Ala Phe Leu Glu Ala Val Ala Glu Glu Lys Pro His Val Lys
 115 120 125
 Pro Tyr Phe Ser Lys Thr Ile Arg Asp Leu Glu Val Val Glu Gly Ser
 130 135 140
 Ala Ala Arg Phe Asp Cys Lys Ile Glu Gly Tyr Pro Asp Pro Glu Val
 145 150 155 160
 Val Trp Xaa Gln Arg Trp Thr Ser Ser Ile Arg Glu Ser Arg Xaa Phe
 165 170 175
 Pro Asp Arg Leu Arg
 180

<210> 968
 <211> 291
 <212> PRT
 <213> Homo sapiens

<400> 968
 His Gly Ala Gly Glu Ser Glu Pro Ser Ser Arg Val Pro Arg Arg Ala
 1 5 10 15
 Ala Ser Pro Gly His Val Pro Arg Leu Arg Gly Thr Arg Pro Glu Leu
 20 25 30
 Arg Glu Arg Arg Arg Val Arg Arg Pro Arg Ala Pro Pro Ala Ala Ala
 35 40 45
 Gln Ala Ala Gln Gln Lys Phe His Leu Val Pro Ser Ile Asn Thr Met
 50 55 60
 Ser Gly Ser Gln Glu Leu Gln Trp Met Val Gln Pro His Phe Leu Gly
 65 70 75 80
 Pro Ser Ser Tyr Pro Arg Pro Leu Thr Tyr Pro Gln Tyr Ser Pro Pro

85	90	95
Gln Pro Arg Pro Gly Val Ile Arg Ala Leu Gly Pro Pro Pro Gly Val		
100	105	110
Arg Arg Arg Pro Cys Glu Gln Ile Ser Pro Glu Glu Glu Glu Arg Arg		
115	120	125
Arg Val Arg Arg Glu Arg Asn Lys Leu Ala Ala Ala Lys Cys Arg Asn		
130	135	140
Arg Arg Lys Glu Leu Thr Asp Phe Leu Gln Ala Glu Thr Asp Lys Leu		
145	150	155
Glu Asp Glu Lys Ser Gly Leu Gln Arg Glu Ile Glu Glu Leu Gln Lys		
165	170	175
Gln Lys Glu Arg Leu Glu Leu Val Leu Glu Ala His Arg Pro Ile Cys		
180	185	190
Lys Ile Pro Glu Gly Ala Lys Glu Gly Asp Thr Gly Ser Thr Ser Gly		
195	200	205
Thr Ser Ser Pro Pro Ala Pro Cys Arg Pro Val Pro Cys Ile Ser Leu		
210	215	220
Ser Pro Gly Pro Val Leu Glu Pro Glu Ala Leu His Thr Pro Thr Leu		
225	230	235
Met Thr Thr Pro Ser Leu Thr Pro Phe Thr Pro Ser Leu Val Phe Thr		
245	250	255
Tyr Pro Ser Thr Pro Glu Pro Cys Ala Ser Ala His Arg Lys Ser Ser		
260	265	270
Ser Ser Ser Gly Asp Pro Ser Ser Asp Pro Leu Gly Ser Pro Thr Leu		
275	280	285
Leu Ala Leu		
290		

<210> 969

<211> 313

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (62)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (121)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (137)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (312)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (313)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 969

Glu	Glu	Glu	Lys	Lys	Asp	Ser	Gly	Val	Ala	Ser	Thr	Glu	Asp	Ser	Ser
1				5					10					15	

Ser	Ser	His	Ile	Thr	Ala	Ala	Ala	Ile	Ala	Ala	Lys	Lys	His	Pro	Phe
		20						25					30		

Tyr	Thr	Xaa	Pro	Ala	Val	Val	Met	Ala	His	Gly	Glu	Gln	Pro	Ile	Pro
		35					40					45			

Gly	Leu	Ile	Asn	Tyr	Ser	His	His	Ser	Thr	Asp	Glu	Arg	Xaa	Pro	Asp
	50					55					60				

Ser	Ile	Ile	Ser	Arg	Gly	Val	Gln	Val	Leu	Pro	Arg	Asp	Thr	Ala	Ser
65					70					75					80

Leu	Ser	Thr	Thr	Pro	Ser	Glu	Ser	Pro	Arg	Ala	Gln	Ala	Thr	Ser	Arg
				85					90					95	

Leu	Ser	Thr	Ala	Ser	Cys	Pro	Thr	Pro	Lys	Val	Gln	Ser	Arg	Cys	Ser
			100						105					110	

Ser	Lys	Glu	Asn	Ile	Leu	Arg	Ala	Xaa	His	Ser	Ala	Val	Asp	Ile	Thr
			115				120						125		

Lys Val Ala Arg Arg His Arg Met Xaa Pro Phe Pro Leu Thr Ser Met
 130 135 140
 Asp Lys Ala Phe Ile Thr Val Leu Glu Met Thr Pro Val Leu Gly Thr
 145 150 155 160
 Glu Ile Ile Asn Tyr Arg Asp Gly Met Gly Arg Val Leu Ala Gln Asp
 165 170 175
 Val Tyr Ala Lys Asp Asn Leu Pro Pro Phe Pro Ala Ser Val Lys Asp
 180 185 190
 Gly Tyr Ala Val Arg Ala Ala Asp Gly Pro Gly Asp Arg Phe Ile Ile
 195 200 205
 Gly Glu Ser Gln Ala Gly Glu Gln Pro Thr Gln Thr Val Met Pro Gly
 210 215 220
 Gln Val Met Arg Val Thr Thr Gly Ala Pro Ile Pro Cys Gly Ala Asp
 225 230 235 240
 Ala Val Val Gln Val Glu Asp Thr Glu Leu Ile Arg Glu Ser Asp Asp
 245 250 255
 Gly Thr Glu Glu Leu Glu Val Arg Ile Leu Val Gln Ala Arg Pro Gly
 260 265 270
 Gln Asp Ile Arg Pro Ile Gly His Asp Ile Lys Arg Gly Glu Cys Val
 275 280 285
 Leu Ala Lys Gly Thr His Met Gly Pro Ser Glu Ile Gly Leu Leu Ala
 290 295 300
 Thr Val Gly Val Thr Glu Val Xaa Xaa
 305 310

<210> 970

<211> 42

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 970

His Met Lys Lys Gln Leu Leu Val Pro Asp Tyr Gly His Phe His Val

1 5 10 15
Xaa Glu Phe Leu Lys Leu Ser Leu Leu Arg Met Val Leu Leu Pro Ala
20 25 30
Asp Ser Tyr Leu Phe Val Phe Ser Ser Phe
35 40

<210> 971
<211> 67
<212> PRT
<213> Homo sapiens

<400> 971
Gln Lys Asp Arg Glu Ile Arg Ile Phe Cys Ala Glu Ser Pro Lys Phe
1 5 10 15
Pro Pro Glu Cys Asn Leu Gln Leu Pro Tyr Leu Leu Ser His Met Pro
20 25 30
Ser Asn Met Leu Asp Trp Leu Ile His Arg Pro Thr Gln Asn Thr Asn
35 40 45
Val Thr Cys Ser Cys Ser Leu Val Ala Ile Cys Leu Phe Ser Met Tyr
50 55 60
Pro Ala Trp
65

<210> 972
<211> 54
<212> PRT
<213> Homo sapiens

<400> 972
Ile Val Phe Phe Phe Ser Leu Phe Tyr Lys Cys Gln Phe Asn Ser Arg
1 5 10 15
Ala Leu Ala Gln Tyr Phe Leu Met Ile Phe Ser Pro Arg Lys Arg Arg
20 25 30
Lys Ser Leu Leu Val Thr Gln Leu Arg Cys Gln Thr Ser Ser Glu Thr
35 40 45
Cys Thr Val Ala Ala Tyr
50

<210> 973
<211> 102
<212> PRT
<213> Homo sapiens

<400> 973
Val Val Leu Phe Glu His Lys Leu His Phe Tyr Phe Leu Met Gln Arg
1 5 10 15
Met Asn Lys Leu Asn Thr Cys Phe Glu Asp Arg Ser Arg Cys Ser Val
20 25 30
Trp His His Val Ile Ile Cys Leu Phe Tyr Asn Ile His Val Ser Leu
35 40 45
Arg Asn His Gly Arg Asp Val Arg Ala Glu Tyr Thr Gln Gln Met Leu
50 55 60
Lys Glu Lys Glu Gly Ser Val Leu Gln Lys Lys Lys Arg Thr Asn
65 70 75 80
Arg Ile Leu Thr Leu Leu Thr Phe Pro Asn Phe Pro Met Leu Leu Val
85 90 95
Asn Ile Ile Ile Val Ser
100

<210> 974
<211> 365
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (297)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (316)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (321)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (335)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (347)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (363)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 974

Gly Met Lys Thr Asn Gly Gly Arg Cys Arg Val Arg Ala Leu Cys Trp

1

5

10

15

Ser Arg Arg Glu Trp Arg Gly Ala Gly Met Ala Gln Lys Lys Tyr Leu

20

25

30

Gln Ala Lys Leu Thr Gln Phe Leu Arg Glu Asp Arg Ile Gln Leu Trp

35

40

45

Lys Pro Pro Tyr Thr Asp Glu Asn Lys Lys Val Gly Leu Ala Leu Lys

50

55

60

Asp Leu Ala Lys Gln Tyr Ser Asp Arg Leu Glu Cys Cys Glu Asn Glu

65

70

75

80

Val Glu Lys Val Ile Glu Glu Ile Arg Cys Lys Ala Ile Glu Arg Gly

85

90

95

Thr Gly Asn Asp Asn Tyr Arg Thr Thr Gly Ile Ala Thr Ile Glu Val

100

105

110

Phe Leu Pro Pro Arg Leu Lys Lys Asp Arg Lys Asn Leu Leu Glu Thr

115

120

125

Arg Leu His Ile Thr Gly Arg Glu Leu Arg Ser Lys Ile Ala Glu Thr

130

135

140

Phe Gly Leu Gln Glu Asn Tyr Ile Lys Ile Val Ile Asn Lys Lys Gln

145

150

155

160

Leu Gln Leu Gly Lys Thr Leu Glu Glu Gln Gly Val Ala His Asn Val

165

170

175

Lys Ala Met Val Leu Glu Leu Lys Gln Ser Glu Glu Asp Ala Arg Lys

180

185

190

Asn Phe Gln Leu Glu Glu Glu Glu Gln Asn Glu Ala Lys Leu Lys Glu
 195 200 205
 Lys Gln Ile Gln Arg Thr Lys Arg Gly Leu Glu Ile Leu Ala Lys Arg
 210 215 220
 Ala Ala Glu Thr Val Val Asp Pro Glu Met Thr Pro Tyr Leu Asp Ile
 225 230 235 240
 Ala Asn Gln Thr Gly Arg Ser Ile Arg Ile Pro Pro Ser Glu Arg Lys
 245 250 255
 Ala Leu Met Leu Ala Met Gly Tyr His Glu Lys Gly Arg Ala Phe Leu
 260 265 270
 Lys Arg Lys Glu Tyr Gly Ile Ala Leu Pro Cys Leu Leu Asp Ala Asp
 275 280 285
 Lys Tyr Phe Cys Glu Cys Cys Arg Xaa Leu Leu Asp Thr Val Asp Asn
 290 295 300
 Tyr Ala Val Leu Gln Leu Asp Ile Val Trp Cys Xaa Phe Arg Leu Glu
 305 310 315 320
 Xaa Leu Glu Cys Leu Asp Asp Ala Glu Lys Lys Leu Asn Leu Xaa Gln
 325 330 335
 Lys Cys Phe Lys Asn Cys Tyr Gly Glu Asn Xaa Gln Arg Leu Val His
 340 345 350
 Ile Lys Val Cys Ser Trp Glu Phe Ile Leu Xaa Ala Arg
 355 360 365

<210> 975

<211> 146

<212> PRT

<213> Homo sapiens

<400> 975

Arg Gly Cys Lys Arg Glu Gly Leu Ala Met Ser Ser Leu Ile Arg Arg
 1 5 10 15
 Val Ile Ser Thr Ala Lys Ala Pro Gly Ala Ile Gly Pro Tyr Ser Gln
 20 25 30
 Ala Val Leu Val Asp Arg Thr Ile Tyr Ile Ser Gly Gln Ile Gly Met
 35 40 45

Asp Pro Ser Ser Gly Gln Leu Val Ser Gly Gly Val Ala Glu Glu Ala
50 55 60

Lys Gln Ala Leu Lys Asn Met Gly Glu Ile Leu Lys Ala Ala Gly Cys
65 70 75 80

Asp Phe Thr Asn Val Val Lys Thr Thr Val Leu Leu Ala Asp Ile Asn
85 90 95

Asp Phe Asn Thr Val Asn Glu Ile Tyr Lys Gln Tyr Phe Lys Ser Asn
100 105 110

Phe Pro Ala Arg Ala Ala Tyr Gln Val Ala Ala Leu Pro Lys Gly Ser
115 120 125

Arg Ile Glu Ile Glu Ala Val Ala Ile Gln Gly Pro Leu Thr Thr Ala
130 135 140

Ser Leu
145

<210> 976

<211> 80

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (23)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (38)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (61)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 976

Ser Ser Glu Leu Leu Leu His Ser Phe Leu Gly Ser Val Ser Ser Gln
1 5 10 15

Asn His Arg Tyr Pro Xaa Xaa Ser Gln Thr Thr Ala Leu Gly Glu Gly
20 25 30

Thr Ile Arg Phe Thr Xaa Gly Phe His Thr Leu Met Leu Leu Ala Phe
35 40 45

Asn Leu Thr Thr Leu Asp Cys Gln Val Phe Thr Asp Xaa Trp Thr Trp
50 55 60

Ile Gln Asp Trp Glu Cys Xaa Gly Met Val Trp Gln Gln Cys Leu Leu
65 70 75 80

<210> 977

<211> 59

<212> PRT

<213> Homo sapiens

<400> 977

Thr Asp Asp Glu Phe Ser Gln Met Thr Leu Arg Asn Cys Phe Thr Lys
1 5 10 15

Asn Lys Val Ile Tyr Leu Leu Trp Glu Glu Leu Pro Ser Phe Cys Phe
20 25 30

Ser Ser Leu Pro Pro Phe Pro Cys Gly Cys Arg Ala Arg Ser Val Arg
35 40 45

Ser Trp Phe Cys Pro Ala Met Ile Arg Glu Ser
50 55

<210> 978

<211> 203

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (188)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 978

Leu Trp Glu Leu Lys Lys Leu Ser Val His Phe His Pro Ser Val Ala
1 5 10 15

Leu Phe Ala Lys Thr Ile Leu Gln Gly Asn Tyr Ile Gln Tyr Ser Gly
20 25 30

Asp Pro Leu Gln Asp Phe Thr Leu Met Arg Phe Leu Asp Arg Phe Val
35 40 45

Tyr Arg Asn Pro Lys Pro His Lys Gly Lys Glu Asn Thr Asp Ser Val
50 55 60

Val Met Gln Pro Lys Arg Lys His Phe Ile Lys Asp Ile Arg His Leu
65 70 75 80

Pro Val Asn Ser Lys Glu Phe Leu Ala Lys Glu Glu Ser Gln Ile Pro
85 90 95

Val Asp Glu Val Phe Phe His Arg Tyr Tyr Lys Lys Val Ala Val Lys
100 105 110

Glu Lys Gln Lys Arg Asp Ala Asp Glu Glu Ser Ile Glu Asp Val Asp
115 120 125

Asp Glu Glu Phe Glu Glu Leu Ile Asp Thr Phe Glu Asp Asp Asn Cys
130 135 140

Phe Ser Ser Gly Lys Asp Asp Met Asp Phe Ala Gly Asn Val Lys Lys
145 150 155 160

Arg Thr Lys Gly Ala Lys Asp Asn Thr Leu Asp Glu Asp Ser Glu Gly
165 170 175

Ser Asp Asp Glu Leu Gly Asn Leu Asp Asp Asp Xaa Ser Phe Phe Arg
180 185 190

Glu Val Trp Met Met Glu Glu Phe Ala Gly Ser
195 200

<210> 979

<211> 141

<212> PRT

<213> Homo sapiens

<400> 979

Ala Ala Gly Phe Gly Asp Phe Cys Leu Ile Ala Met Ser Gly Arg Gly

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1             5             10             15
Lys Gln Gly Gly Lys Ala Arg Ala Lys Ala Lys Ser Arg Ser Ser Arg
      20             25             30
Ala Gly Leu Gln Phe Pro Val Gly Arg Val His Arg Leu Leu Arg Lys
      35             40             45
Gly Asn Tyr Ala Glu Arg Val Gly Ala Gly Ala Pro Val Tyr Leu Ala
      50             55             60
Ala Val Leu Glu Tyr Leu Thr Ala Glu Ile Leu Glu Leu Ala Gly Asn
      65             70             75             80
Ala Ala Arg Asp Asn Lys Lys Thr Arg Ile Ile Pro Arg His Leu Gln
      85             90             95
Leu Ala Ile Arg Asn Asp Glu Glu Leu Asn Lys Leu Leu Gly Arg Val
      100            105            110
Thr Ile Ala Gln Gly Gly Val Leu Pro Asn Ile Gln Ala Val Leu Leu
      115            120            125
Pro Lys Lys Thr Glu Ser His His Lys Ala Lys Gly Lys
      130            135            140

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<210> 980

<211> 111

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 980

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Gly Glu Leu Ser Phe Phe Gly Arg His Pro Asp Val Pro Arg Glu Ala
1             5             10             15
Ala Gly Ala His Gly Asp Arg His Ala Ser Pro Trp Ala Phe Phe Leu
      20             25             30
Glu Arg Xaa Lys Ala Pro Arg Leu Thr Thr Arg Ser His Arg Leu Leu
      35             40             45
Ser Asp Val Phe Ala Ala Ser Trp Thr Pro His Arg Met Leu Thr Thr
      50             55             60

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Lys Thr Leu Gln Pro Trp Val Ala Arg Leu Asp Glu Met Glu Arg Gly
 65 70 75 80

Leu Phe Gln Thr Gly Gln Lys Gly Leu Asn Asp Phe Gln Cys Trp Glu
 85 90 95

Lys Gly Gln Ala Ser Gln Ile Thr Ala Ser Asn Leu Val Gln Asn
 100 105 110

<210> 981

<211> 167

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (70)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (162)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 981

Trp Arg Met Gly Phe Ser Arg Val Leu Cys Phe Thr Asn Ser Arg Glu
 1 5 10 15

Asn Ser His Arg Leu Phe Leu Leu Val Gln Ala Phe Gly Gly Val Asp
 20 25 30

Val Ala Glu Phe Ser Ser Arg Tyr Gly Pro Gly Gln Arg Arg Met Ile
 35 40 45

Leu Lys Gln Phe Glu Gln Gly Lys Ile Gln Leu Leu Ile Ser Thr Asp
 50 55 60

Ala Thr Ala Arg Gly Xaa Asp Val Gln Gly Val Glu Leu Val Val Asn
 65 70 75 80

Tyr Asp Ala Pro Gln Tyr Leu Arg Thr Tyr Val His Arg Val Gly Arg
 85 90 95

Thr Ala Arg Ala Gly Lys Thr Gly Gln Ala Phe Thr Leu Leu Leu Lys
 100 105 110

Val Gln Glu Arg Arg Phe Leu Arg Met Leu Thr Glu Ala Gly Ala Pro
 115 120 125

Glu Leu Gln Arg His Glu Leu Ser Ser Lys Leu Leu Gln Pro Leu Val
130 135 140

Pro Arg Tyr Glu Glu Ala Leu Ser Gln Leu Glu Glu Ser Val Lys Glu
145 150 155 160

Glu Xaa Lys Gln Arg Ala Ala
165

<210> 982

<211> 108

<212> PRT

<213> Homo sapiens

<400> 982

Ala Asn Glu Pro Gln Phe Leu Ala Val Tyr Lys Lys Ser Leu Asn Ala
1 5 10 15

Asn Glu Glu Phe Lys Gly Leu Phe Lys Glu Met Lys Gly Phe Pro Asn
20 25 30

Arg Met Ile Tyr Ser Glu Glu Thr Asn Asn Gly Ile Ser Glu Thr His
35 40 45

Asn Leu Lys Pro Asn Leu Glu Asn Met Leu Cys Thr Lys Thr Thr Ala
50 55 60

Ser Ala Ser Ser Leu Ile Leu Thr Phe Phe Asn Arg Tyr Leu Leu Asn
65 70 75 80

Cys Pro Val Lys Arg Cys His Asn Ala Gln Tyr Cys Lys Gln Gln Val
85 90 95

Cys Ile His Glu Ala Phe Ile His Ser Gly Val Tyr
100 105

<210> 983

<211> 150

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (150)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 983

Phe Ser Leu Ser Leu Ser Met Thr Pro Gln Leu Leu Leu Ala Leu Val
 1 5 10 15
 Leu Trp Ala Ser Cys Pro Pro Cys Ser Gly Arg Lys Gly Pro Pro Ala
 20 25 30
 Ala Leu Thr Leu Pro Arg Val Gln Cys Arg Ala Ser Arg Tyr Pro Ile
 35 40 45
 Ala Val Asp Cys Ser Trp Thr Leu Pro Pro Ala Pro Asn Ser Thr Ser
 50 55 60
 Pro Val Ser Phe Ile Ala Thr Tyr Arg Leu Gly Met Ala Ala Arg Gly
 65 70 75 80
 His Ser Trp Pro Cys Leu Gln Gln Thr Pro Thr Ser Thr Ser Cys Thr
 85 90 95
 Ile Thr Asp Val Gln Leu Phe Ser Met Ala Pro Tyr Val Leu Asn Val
 100 105 110
 Thr Ala Val His Pro Trp Gly Ser Ser Ser Ser Phe Val Pro Phe Ile
 115 120 125
 Thr Glu His Ile Ile Lys Pro Asp Pro Pro Glu Gly Val Arg Leu Ser
 130 135 140
 Pro Leu Ala Glu Arg Xaa
 145 150

<210> 984

<211> 158

<212> PRT

<213> Homo sapiens

<400> 984

Arg Leu Cys Trp Val Lys Thr Leu Gln His Leu Leu Leu Arg Ser Thr
 1 5 10 15
 His Lys Asp Gln Val Gln His Arg Gly Leu Gly Thr Ser Leu Ala Ser
 20 25 30
 Gly Pro His Leu Thr Val Arg Gln Gln Leu Pro Ser Pro Ala Met Cys
 35 40 45
 Leu Leu Ser Gly Ser Ser Cys Leu Lys Leu Thr Ser Thr Phe Phe Pro
 50 55 60
 Asp Gly Gln Val Ala Glu Gly Pro Ala Ile Ser Val Ala Cys Cys His

Ser Phe Ile Asn Tyr Pro Val Ser Gly Ser Phe Leu Ile Ala Val
 50 55 60

<210> 987

<211> 90

<212> PRT

<213> Homo sapiens

<400> 987

His His Arg Ile Asn Cys Val His Leu Tyr His Cys Phe Thr Ser Leu
 1 5 10 15

Trp Trp Ile Tyr Met Ala Lys Leu Cys Glu Glu Ile Gly Lys Lys Lys
 20 25 30

Leu Pro Leu Thr Lys Asp Met Arg Glu Gln Gly Val Lys Ser Asn Pro
 35 40 45

Cys Asp Ser Ser Leu Ser His Thr Asp Arg Trp Tyr Leu Pro Val Ser
 50 55 60

Ser Thr Leu Phe Ser Leu Phe Lys Ile Leu Phe His Ala Ser Arg Phe
 65 70 75 80

Ile Phe Val Leu Ser Thr Ser Leu Phe Leu
 85 90

<210> 988

<211> 50

<212> PRT

<213> Homo sapiens

<400> 988

Ala Gln Glu Glu Lys Lys Pro Tyr Leu Cys Ser Arg Phe Cys Lys Gly
 1 5 10 15

Glu Ile Ser Thr Glu Arg Asn His Cys Tyr Thr Ser Ala Lys Thr Gln
 20 25 30

Gly Leu Gly Asp Leu Phe Leu Phe Ile Cys Phe Gly Tyr Leu Ala Ser
 35 40 45

Phe Ser
 50

<210> 989
<211> 92
<212> PRT
<213> Homo sapiens

<400> 989
Arg Met Lys Arg Ser Arg Arg Trp Ser Arg Tyr Lys Ala Leu Asn Ala
1 5 10 15
Gly Arg Thr Ser Lys Arg Ile His Lys Gly Leu Val Val Arg Lys Gly
20 25 30
Trp Leu Gly Lys Leu Pro Ser Leu Pro Leu Arg Trp Arg Ala Arg Gly
35 40 45
Val Met Thr Leu Met Phe Ile Leu Leu Ala Ala Met Leu Trp Phe Val
50 55 60
Ala Ala Pro Val Val Thr Tyr Ile Leu Cys Ala Leu Val Val Leu Leu
65 70 75 80
Ala Ala Pro Val Leu Asn Gly Arg Leu Tyr Ala Arg
85 90

<210> 990
<211> 87
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (33)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (35)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 990
Ser Gly Leu Ile Pro Phe Pro Phe Gln Arg Ile Ala Lys Lys Lys Leu
1 5 10 15
Thr Val Glu Ala Gly Cys Ser Glu Val Gly Cys Gly Val Gly Gly Thr
20 25 30
Xaa Gly Xaa Ala Leu Trp Ala Gly Ala Gly Gly Phe Glu Gly Leu Ser
35 40 45

Ser Thr Arg Ala Gln Arg Ser Cys Gln Trp Pro Val Ala Leu Pro Pro
 50 55 60

Phe Pro Glu Arg Gly Ser Arg Gly His Pro Gly Arg Leu Gly Pro Gly
 65 70 75 80

Pro Pro Ser Ala Leu Ala Ser
 85

<210> 991
 <211> 184
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (46)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (151)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 991
 Phe Ala Thr Asp Arg Phe Phe Lys Cys Trp His Asn Ala Gln Ser Ser
 1 5 10 15

Met Arg Glu Gln Pro Ile Phe Thr Thr Arg Ala His Val Phe Gln Ile
 20 25 30

Asp Pro Asn Thr Lys Lys Asn Trp Met Pro Ala Ser Lys Xaa Ala Val
 35 40 45

Thr Val Ser Tyr Phe Tyr Asp Val Thr Arg Asn Ser Tyr Arg Ile Ile
 50 55 60

Ser Val Asp Gly Ala Lys Val Ile Ile Asn Ser Thr Ile Thr Pro Asn
 65 70 75 80

Met Thr Phe Thr Lys Thr Ser Gln Lys Phe Gly Gln Trp Ala Asp Ser
 85 90 95

Arg Ala Asn Thr Val Phe Gly Leu Gly Phe Ser Ser Glu Gln Gln Leu
 100 105 110

Thr Lys Phe Ala Glu Lys Phe Gln Glu Val Lys Glu Ala Ala Lys Ile
 115 120 125

Ala Lys Asp Lys Thr Gln Glu Lys Ile Glu Thr Ser Ser Asn His Ser
130 135 140

Gln Ala Ser Ser Val Asn Xaa Thr Asp Asp Glu Lys Ala Ser His Ala
145 150 155 160

Gly Pro Ala Asn Thr His Leu Lys Ser Glu Asn Asp Lys Leu Lys Ile
165 170 175

Ala Leu Thr Gln Ser Ala Pro Thr
180

<210> 992

<211> 66

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 992

Pro Cys His Leu Gln His Glu Glu Ser Leu Ser Gly Val Lys Val Asn
1 5 10 15

Glu Thr Asn Arg Asp Xaa Arg Pro Gly Glu Ile Leu Val Thr Leu Leu
20 25 30

Glu Ser Cys Gln Ser Tyr Thr Gly Val Leu Leu Ile Gln Asn Asn Ser
35 40 45

Asn Asn Pro Ser Val Ser Tyr Val Tyr Ala Asn Phe Asn Lys Lys Lys
50 55 60

Leu Asp
65

<210> 993

<211> 434

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (13)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (25)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (95)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (99)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 993
Ser Gly Pro Gly Val Gln Trp Val Gln Pro Ala Cys Xaa Leu Arg Pro
1 5 10 15
Asp Arg Gly Ala Pro Thr Asp Gly Xaa Gly Gly Ala Leu Gln Ala Glu
20 25 30
Thr Pro Ser Ser Ala Glu Ser Gln Glu Phe Trp Glu Val Lys Arg Lys
35 40 45
Glu Lys Leu Ile Thr Asn Gly Thr Ile Phe Cys Phe Glu Met Glu Pro
50 55 60
Ala Val Ser Glu Pro Met Arg Asp Gln Val Ala Arg Thr His Leu Thr
65 70 75 80
Glu Asp Thr Pro Lys Val Asn Ala Asp Ile Glu Lys Val Asn Xaa Asn
85 90 95
Gln Ala Xaa Arg Cys Thr Val Ile Gly Gly Ser Gly Phe Leu Gly Gln
100 105 110
His Met Val Glu Gln Leu Leu Ala Arg Gly Tyr Ala Val Asn Val Phe
115 120 125
Asp Ile Gln Gln Gly Phe Asp Asn Pro Gln Val Arg Phe Phe Leu Gly
130 135 140
Asp Leu Cys Ser Arg Gln Asp Leu Tyr Pro Ala Leu Lys Gly Val Asn
145 150 155 160
Thr Val Phe His Cys Ala Ser Pro Pro Pro Ser Ser Asn Asn Lys Glu
165 170 175
Leu Phe Tyr Arg Val Asn Tyr Ile Gly Thr Lys Asn Val Ile Glu Thr

180	185	190
Cys Lys Glu Ala Gly Val Gln Lys Leu Ile Leu Thr Ser Ser Ala Ser		
195	200	205
Val Ile Phe Glu Gly Val Asp Ile Lys Asn Gly Thr Glu Asp Leu Pro		
210	215	220
Tyr Ala Met Lys Pro Ile Asp Tyr Tyr Thr Glu Thr Lys Ile Leu Gln		
225	230	235 240
Glu Arg Ala Val Leu Gly Ala Asn Asp Pro Glu Lys Asn Phe Leu Thr		
245	250	255
Thr Ala Ile Arg Pro His Gly Ile Phe Gly Pro Arg Asp Pro Gln Leu		
260	265	270
Val Pro Ile Leu Ile Glu Ala Ala Arg Asn Gly Lys Met Lys Phe Val		
275	280	285
Ile Gly Asn Gly Lys Asn Leu Val Asp Phe Thr Phe Val Glu Asn Val		
290	295	300
Val His Gly His Ile Leu Ala Ala Glu Gln Leu Ser Arg Asp Ser Thr		
305	310	315 320
Leu Gly Gly Lys Ala Phe His Ile Thr Asn Asp Glu Pro Ile Pro Phe		
325	330	335
Trp Thr Phe Leu Ser Arg Ile Leu Thr Gly Leu Asn Tyr Glu Ala Pro		
340	345	350
Lys Tyr His Ile Pro Tyr Trp Val Ala Tyr Tyr Leu Ala Leu Leu Leu		
355	360	365
Ser Leu Leu Val Met Val Ile Ser Pro Val Ile Gln Leu Gln Pro Thr		
370	375	380
Phe Thr Pro Met Arg Val Ala Leu Ala Gly Thr Phe His Tyr Tyr Ser		
385	390	395 400
Cys Glu Arg Ala Lys Lys Ala Met Gly Tyr Gln Pro Leu Val Thr Met		
405	410	415
Asp Asp Ala Met Glu Arg Thr Val Gln Ser Phe Arg His Leu Arg Arg		
420	425	430
Val Lys		

<210> 994
<211> 29
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (17)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 994
Met Leu His Gly Ile Thr Ser Phe Ile Leu Tyr Lys Ser Ile Met Cys
1 5 10 15

Xaa Glu Leu Lys Thr Ser Leu Gly Asn Ile Asn Ser Ser
20 25

<210> 995
<211> 175
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (27)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (52)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (77)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 995
Arg Gly Leu Val Arg Gly Ala Met Val Gly Gly Met Gln Glu Arg Glu
1 5 10 15

Pro Ala Leu Thr Val Lys Leu Arg Leu Phe Xaa Pro Gln Pro Ser Thr
20 25 30

Pro Ala Gln Thr Gly Ser Trp Ala Leu Phe Cys Leu Ser Gln Pro His
35 40 45

Ser Lys Pro Xaa Pro Pro Ala Pro Pro Tyr Cys Asn Ser Pro His Ser
50 55 60

His Thr Arg Ser Pro Leu Pro Pro Thr Tyr Xaa Arg Xaa Phe Ser Pro
65 70 75 80

Leu Pro Ser Gln Leu Pro Ala Pro Ser Cys Phe Thr Lys Gly Glu Val
85 90 95

Pro Gly His Leu Arg Val Ser Leu Cys Gly Ala Gln Asn Leu Gln Gly
100 105 110

Pro Leu Ser Met Pro Leu Val Pro Trp Thr Val Ser Leu Val His Leu
115 120 125

Leu Ser Pro Ser Ile Leu Ser Gln Ser Thr Asp Phe Ser His Ser Ala
130 135 140

Val Ser Val Gln Pro Tyr Pro Arg Asp Leu Asp Ala Trp Pro Pro Asn
145 150 155 160

Leu Ala Leu Gly Tyr Pro Asp Ala Asn Gln Thr Pro Pro Ser Ser
165 170 175

<210> 996

<211> 218

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (118)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (172)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (173)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (182)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 996

Thr Leu Ser His Gln Val Thr Gln Gln Met Asn Met Leu Ile Gly Val
1 5 10 15

Glu Leu Gln Arg Leu Leu Val Cys Gln Val Phe Leu Phe Ile Gln Leu
20 25 30

Asp Thr Met His Ala Gln Lys Leu Leu Xaa Lys Met Gly Gly Ser Ala
35 40 45

Pro Pro Asp Ser Ser Trp Arg Gly Ser Leu Lys Val Pro Tyr Asn Val
50 55 60

Gly Pro Gly Phe Thr Gly Asn Phe Ser Thr Gln Lys Val Lys Met His
65 70 75 80

Ile His Ser Thr Asn Glu Val Thr Arg Ile Tyr Asn Val Ile Gly Thr
85 90 95

Leu Arg Gly Ala Val Glu Pro Asp Arg Tyr Val Ile Leu Gly Gly His
100 105 110

Arg Asp Ser Trp Val Xaa Gly Gly Ile Asp Pro Gln Ser Gly Ala Ala
115 120 125

Val Val His Glu Ile Val Arg Ser Phe Gly Thr Leu Lys Lys Glu Gly
130 135 140

Trp Arg Pro Arg Arg Thr Ile Leu Phe Ala Ser Trp Asp Ala Glu Glu
145 150 155 160

Phe Gly Leu Leu Gly Ser Thr Glu Trp Ala Glu Xaa Xaa Ser Arg Leu
165 170 175

Leu Gln Glu Arg Gly Xaa Gly Phe Ile Leu Asn Ala Asp Ser Ser Ile
180 185 190

Gly Arg Lys Leu His Ser Glu Glu Leu Asp Cys Thr Pro Leu Asp Val
195 200 205

Gln Leu Gly Thr Gln Pro Tyr Gln Arg Ala
210 215

<210> 997
<211> 119
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (8)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 997
Gly Arg Arg Gln Pro Thr Pro Xaa Thr Ser Pro Glu Pro Pro Arg Ser
1 5 10 15
Ser Pro Arg Gln Thr Pro Ala Pro Gly Pro Ala Arg Glu Lys Ser Ala
20 25 30
Gly Lys Arg Gly Pro Asp Arg Gly Ser Pro Glu Tyr Arg Gln Arg Arg
35 40 45
Glu Arg Asn Asn Ile Ala Val Arg Lys Ser Arg Asp Lys Ala Lys Arg
50 55 60
Arg Asn Gln Glu Met Gln Gln Lys Leu Val Glu Leu Ser Ala Glu Asn
65 70 75 80
Glu Lys Leu His Gln Arg Val Glu Gln Leu Thr Arg Asp Leu Ala Gly
85 90 95
Leu Arg Gln Phe Phe Lys Gln Leu Pro Ser Pro Pro Phe Leu Pro Ala
100 105 110
Ala Gly Thr Ala Asp Cys Arg
115

<210> 998
<211> 101
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (21)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 998

Leu Val Asn Gly Ala Arg Lys Val Thr Gly Gln Arg Thr Gln Met Tyr
1 5 10 15

Arg Xaa Asp Met Xaa Asn Asn Lys Asn Gly Val Asp Gln Glu Ile Ile
20 25 30

Phe Pro Pro Ile Lys Thr Asp Val Ile Thr Met Asp Pro Lys Asp Asn
35 40 45

Cys Ser Lys Asp Ala Asn Asp Thr Leu Leu Leu Gln Leu Thr Asn Thr
50 55 60

Ser Ala Tyr Tyr Met Tyr Leu Leu Leu Leu Leu Lys Ser Val Val Tyr
65 70 75 80

Phe Ala Ile Ile Thr Cys Cys Leu Leu Arg Arg Thr Ala Phe Cys Cys
85 90 95

Asn Gly Glu Lys Ser
100

<210> 999

<211> 68

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (67)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 999

Gly Thr Ser Ala Gly Val Asn Pro Tyr Lys Cys Ser Gln Cys Glu Lys
1 5 10 15

Ser Phe Ser Gly Lys Leu Arg Leu Leu Val His Gln Arg Met His Thr
20 25 30

Arg Glu Lys Pro Tyr Glu Cys Ser Glu Cys Gly Lys Ala Phe Ile Arg
35 40 45

Asn Ser Gln Leu Ile Val His Gln Arg Thr His Ser Gly Glu Lys Pro
50 55 60

Tyr Gly Xaa Gln
65

<210> 1000

<211> 320

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (19)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1000

Arg	Pro	Cys	Glu	Arg	Thr	Val	Arg	Pro	Arg	His	Ser	Gly	His	Ser	Gly
1					5				10					15	
Pro	Asn	Xaa	Cys	Cys	Ser	Cys	Arg	Cys	Ser	Ser	Cys	Thr	Gly	Glu	Ala
			20					25					30		
Ala	Ile	Ala	Gly	Arg	Leu	Arg	Thr	Ala	Ala	Ala	Gly	Ala	Arg	Thr	Ala
	35					40						45			
Gly	Ala	Ala	Leu	Arg	His	Leu	Gly	Ala	Gly	Gln	Arg	Glu	Leu	Gly	Pro
	50					55				60					
Arg	Leu	Glu	Glu	Thr	Lys	Trp	Glu	Val	Cys	Gln	Lys	Ser	Gly	Glu	Ile
65					70					75				80	
Ser	Leu	Leu	Lys	Gln	Gln	Leu	Lys	Glu	Ser	Gln	Ala	Glu	Leu	Val	Gln
			85						90					95	
Lys	Gly	Ser	Glu	Leu	Val	Ala	Leu	Arg	Val	Ala	Leu	Arg	Glu	Ala	Arg
	100							105					110		
Ala	Thr	Leu	Arg	Val	Ser	Glu	Gly	Arg	Ala	Arg	Gly	Leu	Gln	Glu	Ala
	115						120					125			
Ala	Arg	Ala	Arg	Glu	Leu	Glu	Leu	Glu	Ala	Cys	Ser	Gln	Glu	Leu	Gln
	130					135					140				
Arg	His	Arg	Gln	Glu	Ala	Glu	Gln	Leu	Arg	Glu	Lys	Ala	Gly	Gln	Leu
145				150						155				160	
Asp	Ala	Glu	Ala	Ala	Gly	Leu	Arg	Glu	Pro	Pro	Val	Pro	Pro	Ala	Thr
			165					170						175	
Ala	Asp	Pro	Phe	Leu	Leu	Ala	Glu	Ser	Asp	Glu	Ala	Lys	Val	Gln	Arg
	180							185					190		

Ala Ala Ala Gly Val Gly Gly Ser Leu Arg Ala Gln Val Glu Arg Leu
195 200 205

Arg Val Glu Leu Gln Arg Glu Arg Arg Arg Gly Glu Glu Gln Arg Asp
210 215 220

Ser Phe Glu Gly Glu Arg Leu Ala Trp Gln Ala Glu Lys Glu Gln Val
225 230 235 240

Ile Arg Tyr Gln Lys Gln Leu Gln His Asn Tyr Ile Gln Met Tyr Arg
245 250 255

Arg Asn Arg Gln Leu Glu Gln Glu Leu Gln Gln Leu Ser Leu Glu Leu
260 265 270

Glu Ala Arg Glu Leu Ala Asp Leu Gly Leu Ala Glu Gln Pro Pro Ala
275 280 285

Ser Ala Trp Arg Arg Ser Leu Leu Leu Arg Ser Arg Ala Leu Ser Asn
290 295 300

Gln Leu Cys Arg Glu Leu Cys Gln Arg Gly Ser Ser Cys Arg Ser Thr
305 310 315 320

<210> 1001

<211> 70

<212> PRT

<213> Homo sapiens

<400> 1001

Gly Leu Cys Phe Leu Pro Trp Val Gly Phe Ser Ser Met His Val Gly
1 5 10 15

Cys Phe Ser Leu Asn Leu Ile Val Cys Leu Val Cys Phe Pro Pro Phe
20 25 30

Pro Phe Leu Phe Lys Leu Ile His Arg Thr Gln Lys Phe Thr Arg Tyr
35 40 45

Glu His Leu Lys Lys Trp Asn Arg Glu Asn Gly Thr Ser His Val Ile
50 55 60

Lys Ile Asn Ile Val Leu
65 70

<210> 1002
 <211> 79
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1002
 Ile Phe Tyr Thr Ile Leu Gln Trp Asp Arg Asn Cys Leu Thr Pro Ala
 1 5 10 15
 Gly Val Thr Pro His Glu Pro Gln Gly Ser Ser Val Pro Lys Xaa Lys
 20 25 30
 Lys Gly Asn Arg Trp Pro Pro Pro Leu Pro His Ser Pro Gly Thr Gln
 35 40 45
 Asp Cys Ser Leu Lys Val Phe Glu Pro Pro Ser Phe Pro Phe Leu Leu
 50 55 60
 Gly Gly Gln Gly Xaa Leu Asn Ser Arg Ala Leu Pro Val Leu Pro
 65 70 75

<210> 1003
 <211> 158
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (90)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1003
 Ile Arg His Glu Gly Thr Leu Asn Gln Pro Leu Thr Lys Leu Asp Arg
 1 5 10 15
 Ser Ser Glu Glu Pro Leu Gly Val Leu Val Asn Pro Asn Met Tyr Gln
 20 25 30

Ser Pro Pro Gln Trp Val Asp His Thr Gly Ala Ala Ser Gln Lys Lys
 35 40 45
 Ala Phe Arg Ser Ser Gly Phe Gly Leu Glu Phe Asn Ser Phe Gln His
 50 55 60
 Gln Leu Arg Ile Gln Asp Gln Glu Phe Gln Glu Gly Phe Asp Gly Gly
 65 70 75 80
 Trp Cys Leu Ser Val His Gln Pro Trp Xaa Ser Leu Leu Val Arg Gly
 85 90 95
 Ile Lys Arg Val Glu Gly Arg Ser Trp Tyr Thr Pro His Arg Gly Arg
 100 105 110
 Leu Trp Ile Ala Ala Thr Ala Lys Lys Pro Ser Pro Gln Glu Val Ser
 115 120 125
 Glu Leu Gln Ala Thr Tyr Arg Leu Leu Arg Gly Lys Asp Val Glu Phe
 130 135 140
 Pro Asn Asp Tyr Pro Ser Val Val Phe Trp Ala Val Trp Thr
 145 150 155

<210> 1004

<211> 64

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (17)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1004

Ala Gly Thr Leu Thr Pro Ala Tyr Cys Leu Lys Thr Ser Pro Thr Gly
1 5 10 15

Xaa Phe Met Val Ser Tyr Pro Leu Pro His Ile Phe Leu Ala Thr Arg
20 25 30

Gln Glu Thr Tyr Leu Trp His Leu Gln Ile Ser Xaa Ile Xaa Phe Trp
35 40 45

Xaa Phe Pro Cys Leu Ala Ile Cys Phe Ile Glu Trp Val Ser Glu Thr
50 55 60

<210> 1005

<211> 67

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1005

Ser Ser Lys Phe Arg Ala Ile Asn Pro Ile Ser Val Ile Lys Ser Ser
1 5 10 15

Thr Asp Asn Asn Glu Gln Leu Leu Lys Ser Asn Ile Leu Ser Leu Phe
20 25 30

Thr Asn Val Ser Leu Ser Ile Gly Thr Phe Leu Xaa Tyr Leu Phe Ala
35 40 45

Cys His Tyr Asp Gln Lys Lys Gln Lys Ala Thr Gln Lys Gly Gln Pro
50 55 60

His Ser Lys
65

<210> 1006

<211> 223

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (33)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 1006
 Leu Asp Lys Lys Arg Lys Lys Asp Met Leu Asn Ser Lys Thr Lys Thr
 1 5 10 15
 Gln Tyr Phe His Gln Glu Lys Trp Ile Tyr Val His Lys Gly Ser Thr
 20 25 30
 Xaa Glu Arg His Gly Tyr Cys Thr Leu Gly Xaa Ala Phe Asn Arg Leu
 35 40 45
 Asp Phe Ser Thr Ala Ile Leu Asp Ser Arg Arg Phe Asn Tyr Val Val
 50 55 60
 Arg Leu Leu Glu Leu Ile Ala Lys Ser Gln Leu Thr Ser Leu Ser Gly
 65 70 75 80
 Ile Ala Gln Lys Asn Phe Met Asn Ile Leu Glu Lys Val Val Leu Lys
 85 90 95
 Val Leu Glu Asp Gln Gln Asn Ile Arg Leu Ile Arg Glu Leu Leu Gln
 100 105 110
 Thr Leu Tyr Thr Ser Leu Cys Thr Leu Val Gln Arg Val Gly Lys Ser
 115 120 125
 Val Leu Val Gly Asn Ile Asn Met Trp Val Tyr Arg Met Glu Thr Ile
 130 135 140
 Leu His Trp Gln Gln Gln Leu Asn Asn Ile Gln Ile Thr Arg Pro Ala
 145 150 155 160
 Phe Lys Gly Leu Thr Phe Thr Asp Leu Pro Leu Cys Leu Gln Leu Asn
 165 170 175
 Ile Met Gln Arg Leu Ser Asp Gly Arg Asp Leu Val Ser Leu Gly Gln
 180 185 190
 Leu Pro Pro Thr Cys Thr Cys Ser Ala Lys Thr Gly Cys Cys Gly Arg
 195 200 205

Asn Ser Ala Ser Thr Thr Ser Pro Ser Gly Arg Ser Ala Asn Asp
210 215 220

<210> 1007

<211> 152

<212> PRT

<213> Homo sapiens

<400> 1007

Phe Gly Thr Ser Phe Cys Trp Cys Tyr Phe Gln Phe Tyr Phe Gln Cys
1 5 10 15

His Asn Arg Val Ile Phe Lys Gln Leu Leu Gln Ala Lys Ala Leu Gln
20 25 30

Phe Leu Gln Ile Asp Ser Cys Arg Leu Gly Ser Val Asn Glu Asn Leu
35 40 45

Ser Val Leu Leu Met Ala Lys Lys Phe Glu Ile Pro Val Cys Pro His
50 55 60

Ala Gly Gly Val Gly Leu Cys Glu Leu Val Gln His Leu Ile Ile Phe
65 70 75 80

Asp Tyr Ile Ser Val Ser Ala Ser Leu Glu Asn Arg Val Cys Glu Tyr
85 90 95

Val Asp His Leu His Glu His Phe Lys Tyr Pro Val Met Ile Gln Arg
100 105 110

Ala Ser Tyr Met Pro Pro Lys Asp Pro Gly Tyr Ser Thr Glu Met Lys
115 120 125

Glu Glu Ser Val Lys Lys His Gln Tyr Pro Asp Gly Glu Val Trp Lys
130 135 140

Lys Leu Leu Pro Ala Gln Glu Asn
145 150

<210> 1008

<211> 69

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (15)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1008

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Arg Glu Glu Ile Met Lys Gly Arg Glu Tyr Gln Glu Ala Gly Xaa Trp
 1             5             10             15

Gly Pro Ser Gln Arg Leu Pro Asn Thr Gly Tyr Ser Leu Ala Pro Asp
          20             25             30

Asp Ser Cys Ser Phe Gln Met Gln Asn Ala Pro Ser Gln Asp Leu Gln
          35             40             45

Lys Ser Tyr Pro Ile Ile Gly Leu Ala Gln Ser Ser Glu Pro Tyr His
          50             55             60

Leu Lys Phe Gln Val
          65

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<210> 1009

<211> 87

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (59)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1009

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Val Ile Val Asn Val Leu Asn Tyr Gln Leu Glu Gly Ile Phe Val Leu
 1             5             10             15

Lys Val Asp Ile Glu Glu Pro Lys Trp Met Met Gly Phe Gly Ala Ser
          20             25             30

Ser Glu Ser Met Phe Pro Leu Lys Tyr Phe Pro Lys Gln Trp Tyr Thr
          35             40             45

Trp Leu Phe Tyr Tyr Glu Ile Cys Ile Cys Xaa Val Phe Leu Cys Glu
          50             55             60

Gln Cys Phe Ser Leu Ser Val Thr Ile Cys Lys Gly Lys Ser Thr Asn
          65             70             75             80

Ile Asp Tyr Ile Ala Gln Asn
          85

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<210> 1010

<211> 164

<212> PRT

<213> Homo sapiens

<400> 1010

Asp His Pro Ala Glu Glu Leu Gly Gln Ser Ile Cys Ile Cys His Pro
1 5 10 15

Arg Thr Leu Thr Met Lys Thr Leu Leu Leu Leu Ala Val Ile Met Ile
20 25 30

Phe Gly Leu Leu Gln Ala His Gly Asn Leu Val Asn Phe His Arg Met
35 40 45

Ile Lys Leu Thr Thr Gly Lys Glu Ala Ala Leu Ser Tyr Gly Phe Tyr
50 55 60

Gly Cys His Cys Gly Val Gly Gly Arg Gly Ser Pro Lys Asp Ala Thr
65 70 75 80

Asp Arg Cys Cys Val Thr His Asp Cys Cys Tyr Lys Arg Leu Glu Lys
85 90 95

Arg Gly Cys Gly Thr Lys Phe Leu Ser Tyr Lys Phe Ser Asn Ser Gly
100 105 110

Ser Arg Ile Thr Cys Ala Lys Gln Asp Ser Cys Arg Ser Gln Leu Cys
115 120 125

Glu Cys Asp Lys Ala Ala Ala Thr Cys Phe Ala Arg Asn Lys Thr Thr
130 135 140

Tyr Asn Lys Lys Tyr Gln Tyr Tyr Ser Asn Lys His Cys Arg Gly Ser
145 150 155 160

Thr Pro Arg Cys

<210> 1011

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (102)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (106)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1011

Pro Thr Arg Pro Arg Arg Ala Ala Phe Pro Val Trp Val Pro Glu Arg
 1 5 10 15

Thr Ala Leu Leu Thr Cys Pro Leu Gly Ala Ala Pro Gly Ser Ser Arg
 20 25 30

Glu Ala Pro Gly Ile Ala Gly Pro Pro Asn Ser Thr Ala Met Ser Lys
 35 40 45

Leu Gly Lys Phe Phe Lys Gly Gly Gly Ser Ser Lys Ser Arg Ala Ala
 50 55 60

Pro Ser Pro Gln Glu Ala Leu Val Arg Leu Arg Glu Thr Glu Glu Met
 65 70 75 80

Leu Gly Lys Lys Gln Glu Tyr Leu Glu Asn Arg Ile Gln Arg Glu Ile
 85 90 95

Ala Leu Ala Lys Lys Xaa Gly Thr Gln Xaa Lys Arg Gly Ile Xaa Thr
 100 105 110

Lys

<210> 1012

<211> 79

<212> PRT

<213> Homo sapiens

<400> 1012

Leu Thr Asp Leu Pro Cys Asn Lys Ile Val Phe Cys Glu Lys Gln Glu
 1 5 10 15

Met Asn Asn Asn Ser Val Gly Thr Pro Leu Gln Ile Ser Gln Glu Ile
 20 25 30

Gln Lys Asn Cys Glu Gln Val Ala Gly Phe Thr Ile Leu Gln Asp Thr
 35 40 45

Ala Ser Tyr Ser Lys Phe Leu Gln Asp Asn Asp Ala Gln Leu Phe Thr
50 55 60

Tyr Leu Cys Leu Asn Ile Pro Ile Ser Leu Thr Phe Ile Leu Trp
65 70 75

<210> 1013

<211> 54

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1013

Gln Asp Arg Glu Gly Phe Gly Ser Gly Gln Ala Gly Asp Gly Tyr Glu
1 5 10 15

His Leu Ser Phe Glu Thr Cys Arg Gly Gly Asn Glu Gly Arg Gly Pro
20 25 30

Cys Val Glu Val Phe Ile Gln Glu Ala Val Val Pro Leu Gly Leu Asn
35 40 45

Ile Ala Ser Xaa Arg Gln
50

<210> 1014

<211> 95

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (52)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1014

Ala Gly Asp Leu Arg Ala Gly Ser Thr Leu Lys Arg Phe Gly Phe Pro

1 5 10 15
 Arg Pro Gly Trp Gly Glu Arg Ala Gly Cys Pro Leu Asp Ser Pro Pro
 20 25 30
 Pro His Leu Met Ser Arg Pro Ser Ala Pro Trp Ser Xaa Ala Ile Met
 35 40 45
 Pro Pro Trp Xaa Gly Ala Lys Asp Ile Glu Gly Leu Leu Gly Ala Gly
 50 55 60
 Gly Gly Arg Asn Leu Val Ala His Ser Pro Leu Thr Ser His Pro Ala
 65 70 75 80
 Ala Pro Thr Leu Met Pro Ala Val Asn Tyr Ala Pro Leu Asp Leu
 85 90 95

<210> 1015

<211> 132

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (131)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1015

Gln Lys Arg Ser Glu Asn Ile Lys Gln Val Glu Val Trp Ser Ile Leu
 1 5 10 15
 Ser Lys Met Asn Ile Ser Gly Ser Ser Cys Gly Ser Pro Asn Ser Ala
 20 25 30
 Asp Thr Ser Ser Asp Phe Lys Asp Leu Trp Thr Lys Leu Lys Glu Cys
 35 40 45
 His Asp Arg Glu Val Gln Gly Leu Gln Val Lys Val Thr Lys Leu Lys
 50 55 60
 Gln Glu Arg Ile Leu Asp Ala Gln Arg Leu Glu Glu Phe Phe Thr Lys
 65 70 75 80
 Asn Gln Gln Leu Arg Glu Gln Gln Lys Val Leu His Glu Thr Ile Lys
 85 90 95
 Val Leu Glu Asp Arg Leu Arg Ala Gly Leu Cys Asp Arg Cys Ala Val
 100 105 110

Thr Glu Glu His Met Arg Lys Lys Gln Gln Glu Phe Glu Asn Ile Pro
115 120 125

Ala Ala Xaa Ser
130

<210> 1016
<211> 43
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (5)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (42)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1016
Gly Gly Arg Phe Xaa Val His Arg Thr Pro Ile Thr His Pro Ala Ser
1 5 10 15

Gln Val Glu Gly Leu Gln Val Arg Arg Cys Ile Pro Gln Gly Leu Met
20 25 30

Leu Ser Ala Ile Phe Ile Pro Arg Gln Xaa Ser
35 40

<210> 1017
<211> 188
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (105)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (180)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (188)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1017

Cys Arg Ala Ser Phe Ala Gly Pro Ala Ala Leu Gln Asp Arg Asp Trp
1 5 10 15

Gln Arg Thr Val Ile Ala Met Asn Gly Ile Glu Val Lys Leu Ser Val
20 25 30

Lys Phe Asn Ser Arg Glu Phe Ser Leu Lys Arg Met Pro Ser Arg Lys
35 40 45

Gln Thr Gly Val Phe Gly Val Lys Ile Ala Val Val Thr Lys Arg Glu
50 55 60

Arg Ser Lys Val Pro Tyr Ile Val Arg Gln Cys Val Glu Glu Ile Glu
65 70 75 80

Arg Arg Gly Met Glu Glu Val Gly Ile Tyr Arg Val Ser Gly Val Ala
85 90 95

Thr Asp Ile Gln Ala Leu Lys Ala Xaa Phe Asp Val Asn Asn Lys Asp
100 105 110

Val Ser Val Met Met Ser Glu Met Asp Val Asn Ala Ile Ala Gly Thr
115 120 125

Leu Lys Leu Tyr Phe Arg Glu Leu Pro Glu Pro Leu Phe Thr Asp Glu
130 135 140

Phe Tyr Pro Asn Phe Ala Glu Gly Ile Ala Leu Ser Asp Pro Val Ala
145 150 155 160

Lys Glu Ser Cys Met Leu Asn Leu Leu Leu Ser Leu Ala Gly Ala Asn
165 170 175

Leu Ala Ser Xaa Phe Leu Phe Leu Phe Gly Thr Xaa
180 185

<210> 1018

<211> 424

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (25)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (153)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1018

Gly	Thr	Ser	Val	Asp	Glu	Gly	Ser	Ile	Ser	Pro	Arg	Thr	Leu	Ser	Ala
1				5					10					15	

Ile	Lys	Arg	Ala	Leu	Asp	Asp	Asp	Xaa	Asp	Val	Lys	Val	Cys	Ala	Gly
			20					25					30		

Asp	Asp	Val	Gln	Thr	Gly	Gly	Pro	Gly	Ala	Glu	Glu	Met	Arg	Ile	Asn
		35					40					45			

Ser	Ser	Thr	Glu	Asn	Ser	Asp	Glu	Gly	Leu	Lys	Val	Arg	Asp	Gly	Lys
	50					55					60				

Gly	Ile	Pro	Phe	Thr	Ala	Thr	Leu	Ala	Ser	Ser	Ser	Val	Asn	Ser	Ala
65					70					75					80

Glu	Glu	His	Val	Ala	Ser	Thr	Asn	Glu	Gly	Arg	Glu	Pro	Thr	Asp	Ser
				85					90					95	

Val	Pro	Lys	Glu	Gln	Met	Ser	Leu	Val	His	Val	Gly	Thr	Glu	Ala	Phe
		100					105						110		

Pro	Ile	Ser	Asp	Glu	Ser	Met	Ile	Lys	Asp	Arg	Lys	Asp	Arg	Leu	Pro
		115					120					125			

Leu	Glu	Ser	Ala	Val	Val	Arg	His	Ser	Asp	Ala	Pro	Gly	Leu	Pro	Asn
	130					135					140				

Gly	Arg	Glu	Leu	Thr	Pro	Ala	Ser	Xaa	Thr	Cys	Thr	Asn	Ser	Val	Ser
145					150					155					160

Lys	Asn	Glu	Thr	His	Ala	Glu	Val	Leu	Glu	Gln	Gln	Asn	Glu	Leu	Cys
			165						170					175	

Pro	Tyr	Glu	Ser	Lys	Phe	Asp	Ser	Ser	Leu	Leu	Ser	Ser	Asp	Asp	Glu
		180					185						190		

Thr	Lys	Cys	Lys	Pro	Asn	Ser	Ala	Ser	Glu	Val	Ile	Gly	Pro	Val	Ser
		195					200					205			

Leu	Gln	Glu	Thr	Ser	Ser	Ile	Val	Ser	Val	Pro	Ser	Glu	Ala	Val	Asp
	210					215						220			

Asn	Val	Glu	Asn	Val	Val	Ser	Phe	Asn	Ala	Lys	Glu	His	Glu	Asn	Phe
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225 230 235 240
Leu Glu Thr Ile Gln Glu Gln Gln Thr Thr Glu Ser Ala Gly Gln Asp
 245 250 255
Leu Ile Ser Ile Pro Lys Ala Val Glu Pro Met Glu Ile Asp Ser Glu
 260 265 270
Glu Ser Glu Ser Asp Gly Ser Phe Ile Glu Val Gln Ser Val Ile Ser
 275 280 285
Asp Glu Glu Leu Gln Ala Glu Phe Pro Glu Thr Ser Lys Pro Pro Ser
 290 295 300
Glu Gln Gly Glu Glu Glu Leu Val Gly Thr Arg Glu Gly Glu Ala Pro
305 310 315 320
Ala Glu Ser Glu Ser Leu Leu Arg Asp Asn Ser Glu Arg Asp Asp Val
 325 330 335
Asp Gly Glu Pro Gln Glu Ala Glu Lys Asp Ala Glu Asp Ser Leu His
 340 345 350
Glu Trp Gln Asp Ile Asn Leu Glu Glu Leu Glu Thr Leu Glu Ser Asn
 355 360 365
Leu Leu Ala Gln Gln Asn Ser Leu Lys Ala Gln Lys Gln Gln Gln Glu
 370 375 380
Arg Ile Ala Ala Thr Val Thr Gly Gln Met Phe Leu Glu Ser Gln Glu
385 390 395 400
Leu Leu Arg Leu Phe Gly Ile Pro Tyr Ile Gln Ala Pro Met Glu Ala
 405 410 415
Glu Ala Gln Cys Ala Ser Trp Thr
 420

<210> 1019

<211> 90

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1019